

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: April 18, 2004, 07:34:53 ; Search time 36.6667 Seconds  
(without alignments)  
438.916 Million cell updates/sec

Title: US-09-310-844C-24

Perfect score: 29

Sequence: 1 uauauncuuuuuuaagccuaggggcu 29

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 915622

Minimum DB seq length: 0

Maximum DB seq length: 80

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 1000 summaries

Database : Issued Patents NA.\*\*

1: /cgn2\_6/ptodata/2/ina/5A\_COMB.seq.\*  
2: /cgn2\_6/ptodata/2/ina/5B\_COMB.seq.\*  
3: /cgn2\_6/ptodata/2/ina/6A\_COMB.seq.\*  
4: /cgn2\_6/ptodata/2/ina/6B\_COMB.seq.\*  
5: /cgn2\_6/ptodata/2/ina/PTUS\_COMB.seq.\*  
6: /cgn2\_6/ptodata/2/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
C 1	15.2	52.4	25	3	US-08-943-731-336
C 2	15.2	52.4	33	1	US-08-667-079B-5
C 3	14.8	51.0	35	6	542260-12
C 4	14.8	51.0	36	3	US-09-440-001-1
C 5	14.8	51.0	36	4	US-09-605-685-1
C 6	14.2	49.0	25	4	US-09-827-998-1098
C 7	14.2	49.0	25	4	US-09-827-998-1099
C 8	14.2	49.0	25	4	US-09-827-998-1100
C 9	14.2	49.0	25	4	US-09-827-998-1101
C 10	14.2	49.0	25	4	US-09-827-998-1102
C 11	14.2	49.0	25	4	US-09-827-998-1103
C 12	14.2	49.0	25	4	US-09-827-998-1104
C 13	14	48.3	30	4	US-09-690-146A-7
C 14	14	48.3	30	4	US-09-146A-7
C 15	14	48.3	37	1	US-08-049-264C-55
C 16	14	48.3	37	1	US-08-476-562-55
C 17	14	48.3	37	1	US-08-479-723A-55
C 18	14	48.3	37	5	PCT-US94-04310-55
C 19	14	48.3	44	1	US-08-049-264C-54
C 20	14	48.3	44	1	US-08-476-562-54
C 21	14	48.3	44	1	US-08-479-723A-54
C 22	14	48.3	44	5	PCT-US94-04310-54
C 23	14	48.3	47	4	US-09-641-638-1059
C 24	13.8	47.6	17	4	US-09-827-998-283
C 25	13.8	47.6	25	4	US-09-827-998-1105
C 26	13.8	47.6	25	4	US-09-827-998-1106
C 27	13.8	47.6	36	3	US-09-440-001-3

36	4	US-09-605-685-3	47.6	13.8	C 28
47	4	US-09-422-978-639	47.6	13.8	C 29
42	4	US-09-468-872-11	46.9	13.6	C 30
44	2	US-08-343-443B-39	46.9	13.6	C 31
47	4	US-09-422-978-2386	46.9	13.6	C 32
55	4	US-08-956-171E-5024	46.9	13.6	C 33
26	3	US-09-247-190-37	46.2	13.4	C 34
26	4	US-10-061-658-4	46.2	13.4	C 35
35	4	US-09-598-747-32	46.2	13.4	C 36
41	1	US-08-468-220-28	46.2	13.4	C 37
41	2	US-08-468-698-28	46.2	13.4	C 38
41	3	US-08-194-664A-28	46.2	13.4	C 39
41	5	PCT-US94-01553A-28	46.2	13.4	C 40
41	5	PCT-US95-10436-28	46.2	13.4	C 41
51	1	US-08-328-152A-11	46.2	13.4	C 42
52	4	US-09-310-463-6	46.2	13.4	C 43
52	4	US-08-842-248A-6	46.2	13.4	C 44
60	3	US-08-478-097A-32	46.2	13.4	C 45
60	4	US-09-496-398-32	46.2	13.4	C 46
19	3	US-08-532-896-53	45.5	13.2	C 47
25	4	US-09-827-998-1097	45.5	13.2	C 48
27	3	US-09-106-182-17	45.5	13.2	C 49
27	3	US-09-106-182-23	45.5	13.2	C 50
27	4	US-09-227-357-4	45.5	13.2	C 51
27	4	US-09-280-839-7	45.5	13.2	C 52
27	4	US-09-411-977-19	45.5	13.2	C 53
27	4	US-09-479-729B-24	45.5	13.2	C 54
27	4	US-09-257-179-4	45.5	13.2	C 55
27	4	US-09-149-476-4	45.5	13.2	C 56
27	4	US-09-288-143-4	45.5	13.2	C 57
27	4	US-09-487-792-26	45.5	13.2	C 58
27	4	US-09-152-060-4	45.5	13.2	C 59
27	4	US-09-908-594-26	45.5	13.2	C 60
27	4	US-09-461-325-4	45.5	13.2	C 61
27	4	US-09-489-847-4	45.5	13.2	C 62
27	4	US-09-231-788-19	45.5	13.2	C 63
27	4	US-09-231-788-25	45.5	13.2	C 64
27	4	US-09-513-363-20	45.5	13.2	C 65
27	4	US-09-513-363-26	45.5	13.2	C 66
27	4	US-09-176-200-20	45.5	13.2	C 67
27	4	US-09-176-200-26	45.5	13.2	C 68
27	4	US-09-205-258-4	45.5	13.2	C 69
27	4	US-09-690-454-4	45.5	13.2	C 70
27	4	US-09-482-271-12	45.5	13.2	C 71
27	4	US-09-482-271-18	45.5	13.2	C 72
27	4	US-09-482-273-4	45.5	13.2	C 73
27	4	US-09-904-615-4	45.5	13.2	C 74
27	4	US-09-363-247-4	45.5	13.2	C 75
27	4	US-09-148-545-4	45.5	13.2	C 76
27	4	US-09-564-829-27	45.5	13.2	C 77
27	4	US-09-572-406B-22	45.5	13.2	C 78
27	4	US-09-800-729-4	45.5	13.2	C 79
27	4	US-09-557-170A-15	45.5	13.2	C 80
27	4	US-09-557-170A-21	45.5	13.2	C 81
27	4	US-09-363-248A-7	45.5	13.2	C 82
27	4	US-10-012-542-4	45.5	13.2	C 83
27	4	US-09-716-129-4	45.5	13.2	C 84
27	4	US-10-153-064-28	45.5	13.2	C 85
29	4	US-09-304-232-781	45.5	13.2	C 86
36	2	US-08-882-083-7	45.5	13.2	C 87
36	2	US-08-558-107-7	45.5	13.2	C 88
36	3	US-09-243-539-7	45.5	13.2	C 89
47	4	US-09-422-978-2842	45.5	13.2	C 90
22	1	US-08-647-584-118	44.8	13	C 91
24	4	US-09-613-826A-6	44.8	13	C 92
49	4	US-08-897-956A-31	44.8	13	C 93
51	4	US-09-443-199C-775	44.8	13	C 94
53	2	US-08-486-969-45	44.8	13	C 95
53	2	US-08-687-865A-10	44.8	13	C 96
53	3	US-09-043-711-10	44.8	13	C 97
54	4	US-09-479-645A-214	44.8	13	C 98
55	2	US-08-687-865A-11	44.8	13	C 99
55	3	US-09-043-711-11	44.8	13	C 100

Sequence 3, Appli

Sequence 639, Appl

Sequence 11, Appl

Sequence 39, Appl

Sequence 2286, Ap

Sequence 5024, Ap

Sequence 37, Appl

Sequence 4, Appli

Sequence 32, Appl

Sequence 28, Appl

Sequence 28, Appl

Sequence 28, Appl

Sequence 28, Appl

Sequence 6, Appli

Sequence 32, Appl

Sequence 32, Appl

Sequence 53, Appl

Sequence 1097, Ap

Sequence 23, Appl

Sequence 4, Appli

Sequence 7, Appli

Sequence 19, Appl

Sequence 24, Appl

Sequence 4, Appli

Sequence 4, Appli

Sequence 26, Appl

Sequence 26, Appl

Sequence 4, Appli

Sequence 19, Appl

Sequence 25, Appl

Sequence 20, Appl

Sequence 26, Appl

Sequence 20, Appl

Sequence 26, Appl

Sequence 4, Appli

Sequence 12, Appl

Sequence 18, Appl

Sequence 4, Appli

Sequence 4, Appli

Sequence 27, Appl

Sequence 22, Appl

Sequence 4, Appli

Sequence 15, Appl

Sequence 21, Appl

Sequence 7, Appli

Sequence 4, Appli

Sequence 28, Appl

Sequence 781, App

Sequence 7, Appli

Sequence 7, Appli

Sequence 2842, Ap

Sequence 118, App

Sequence 6, Appli

Sequence 31, Appl

Sequence 765, App

Sequence 47, Appl

Sequence 10, Appl

Sequence 10, Appl

Sequence 214, App

Sequence 11, Appl

Sequence 11, Appl

C 101	13	44.8	57	1	US-08-192-300-14	Sequence 14, Appl	C 174	12.6	43.4	80	2	US-08-860-882A-43	Sequence 43, Appl
C 102	13	44.8	67	3	US-09-275-850-319	Sequence 319, App	C 175	12.6	43.4	80	4	US-09-011-769A-10	Sequence 10, Appl
C 103	13	44.8	70	3	US-09-364-380-12	Sequence 12, App	C 176	12.4	42.8	21	4	US-08-745-995A-37	Sequence 37, Appl
C 104	13	44.8	72	1	US-08-009-265-41	Sequence 41, Appl	C 177	12.4	42.8	21	4	US-09-005-352-37	Sequence 37, Appl
C 105	13	44.8	78	1	US-08-290-592B-40	Sequence 40, Appl	C 178	12.4	42.8	22	4	US-09-445-283C-45	Sequence 45, Appl
C 106	13	44.8	78	5	PCT-US96-09448-40	Sequence 40, Appl	C 179	12.4	42.8	24	3	US-08-283-300A-18	Sequence 18, Appl
C 107	12.8	44.1	17	4	US-09-827-998-282	Sequence 282, App	C 180	12.4	42.8	24	5	PCT-US95-09345-18	Sequence 18, Appl
C 108	12.8	44.1	17	4	US-09-827-998-284	Sequence 284, App	C 181	12.4	42.8	25	3	US-09-194-301-2	Sequence 2, Appl
C 109	12.8	44.1	18	4	US-09-422-978-5466	Sequence 5466, Ap	C 182	12.4	42.8	26	1	US-08-117-362-10	Sequence 10, Appl
C 110	12.8	44.1	24	1	US-08-508-778A-6	Sequence 6, Appl	C 183	12.4	42.8	26	1	US-08-117-362-29	Sequence 29, Appl
C 111	12.8	44.1	24	4	US-09-250-609-23	Sequence 23, Appl	C 184	12.4	42.8	26	1	US-08-486-924-10	Sequence 10, Appl
C 112	12.8	44.1	24	4	US-09-611-23	Sequence 23, Appl	C 185	12.4	42.8	26	1	US-08-486-924-29	Sequence 29, Appl
C 113	12.8	44.1	25	4	US-09-827-998-1107	Sequence 1107, Ap	C 186	12.4	42.8	26	4	US-08-486-929A-10	Sequence 10, Appl
C 114	12.8	44.1	25	4	US-09-866-108A-3196	Sequence 3196, Ap	C 187	12.4	42.8	26	4	US-08-486-929A-29	Sequence 29, Appl
C 115	12.8	44.1	25	4	US-09-866-108A-3197	Sequence 3197, Ap	C 188	12.4	42.8	27	4	US-09-475-460A-6	Sequence 6, Appl
C 116	12.8	44.1	38	1	US-08-373-124A-1147	Sequence 1147, Ap	C 189	12.4	42.8	27	4	US-09-748-061A-6	Sequence 6, Appl
C 117	12.8	44.1	38	1	US-08-435-628-1147	Sequence 1147, Ap	C 190	12.4	42.8	29	4	US-09-189-462-49	Sequence 49, Appl
C 118	12.8	44.1	39	1	US-08-527-734-8	Sequence 8, Appl	C 191	12.4	42.8	29	4	US-09-304-232-690	Sequence 690, App
C 119	12.8	44.1	40	2	US-08-850-049-119	Sequence 119, App	C 192	12.4	42.8	29	4	US-09-863-040-49	Sequence 49, Appl
C 120	12.8	44.1	40	2	US-08-050-478-119	Sequence 119, App	C 193	12.4	42.8	33	3	US-09-184-938-16	Sequence 16, Appl
C 121	12.8	44.1	40	3	US-09-414-117-119	Sequence 119, App	C 194	12.4	42.8	33	3	US-09-184-938-17	Sequence 17, Appl
C 122	12.8	44.1	40	4	US-09-678-437-119	Sequence 119, App	C 195	12.4	42.8	33	5	PCT-US94-14108-10	Sequence 10, Appl
C 123	12.8	44.1	42	1	US-08-170-290A-49	Sequence 49, Appl	C 196	12.4	42.8	38	4	US-09-371-772B-8446	Sequence 8446, Ap
C 124	12.8	44.1	45	1	US-08-171-389-130	Sequence 130, App	C 197	12.4	42.8	39	3	US-09-184-938-28	Sequence 28, Appl
C 125	12.8	44.1	45	1	US-08-171-389-342	Sequence 342, App	C 198	12.4	42.8	39	3	US-09-184-938-29	Sequence 29, Appl
C 126	12.8	44.1	45	1	US-08-123-936-130	Sequence 130, App	C 199	12.4	42.8	40	4	US-09-731-466-1	Sequence 1, Appl
C 127	12.8	44.1	45	1	US-08-123-936-342	Sequence 342, App	C 200	12.4	42.8	42	4	US-09-526-193A-60	Sequence 60, Appl
C 128	12.8	44.1	45	2	US-08-475-228A-130	Sequence 130, App	C 201	12.4	42.8	42	4	US-09-184-938-22	Sequence 22, Appl
C 129	12.8	44.1	45	2	US-08-475-228A-342	Sequence 342, App	C 202	12.4	42.8	45	3	US-09-184-938-23	Sequence 23, Appl
C 130	12.8	44.1	45	3	US-08-482-080A-130	Sequence 130, App	C 203	12.4	42.8	47	4	US-09-422-978-415	Sequence 415, App
C 131	12.8	44.1	45	3	US-08-482-080A-342	Sequence 342, App	C 204	12.4	42.8	47	4	US-09-422-978-1135	Sequence 1135, App
C 132	12.8	44.1	45	4	US-09-354-947-130	Sequence 130, App	C 205	12.4	42.8	47	4	US-09-422-978-2347	Sequence 2347, Ap
C 133	12.8	44.1	45	4	US-09-354-947-342	Sequence 342, App	C 206	12.4	42.8	50	1	US-08-207-901-87	Sequence 87, Appl
C 134	12.8	44.1	45	5	PCT-US93-12388-130	Sequence 130, App	C 207	12.4	42.8	51	3	US-09-184-938-13	Sequence 13, Appl
C 135	12.8	44.1	45	5	PCT-US93-12388-342	Sequence 342, App	C 208	12.4	42.8	51	3	US-09-184-938-14	Sequence 14, Appl
C 136	12.8	44.1	47	4	US-09-422-978-686	Sequence 686, App	C 209	12.4	42.8	70	1	US-08-434-001-179	Sequence 179, App
C 137	12.8	44.1	50	1	US-09-422-978-1097	Sequence 1097, Ap	C 210	12.4	42.8	70	1	US-08-433-585-179	Sequence 179, App
C 138	12.8	44.1	50	1	US-08-171-389-343	Sequence 343, App	C 211	12.4	42.8	70	1	US-08-434-425-179	Sequence 179, App
C 139	12.8	44.1	50	2	US-08-123-936-343	Sequence 343, App	C 212	12.4	42.8	70	2	US-08-437-667-179	Sequence 179, App
C 140	12.8	44.1	50	2	US-08-475-228A-343	Sequence 343, App	C 213	12.4	42.8	70	3	US-08-906-955-179	Sequence 179, App
C 141	12.8	44.1	50	3	US-08-482-080A-343	Sequence 343, App	C 214	12.4	42.8	70	3	US-08-945-909-179	Sequence 179, App
C 142	12.8	44.1	50	4	US-09-354-947-343	Sequence 343, App	C 215	12.4	42.8	70	3	US-09-364-380-29	Sequence 29, App
C 143	12.8	44.1	50	5	PCT-US93-12388-343	Sequence 343, App	C 216	12.4	42.8	70	4	US-09-396-002A-179	Sequence 179, App
C 144	12.8	44.1	54	3	US-08-369-822C-30	Sequence 30, Appl	C 217	12.4	42.8	70	5	PCT-US96-06060-179	Sequence 179, App
C 145	12.8	44.1	54	3	US-08-582-776C-45	Sequence 45, Appl	C 218	12.4	42.8	70	5	US-10-077-319-179	Sequence 179, App
C 146	12.8	44.1	54	3	US-08-434-831B-42	Sequence 42, Appl	C 219	12.2	42.1	17	4	US-09-827-998-281	Sequence 281, Appl
C 147	12.8	44.1	54	4	US-09-315-926A-27	Sequence 27, Appl	C 220	12.2	42.1	17	4	US-09-258-371-18	Sequence 18, Appl
C 148	12.8	44.1	68	4	US-08-956-171B-2762	Sequence 2762, Ap	C 221	12.2	42.1	20	3	US-08-751-230-18	Sequence 18, Appl
C 149	12.8	44.1	77	3	US-08-411-768B-15	Sequence 15, Appl	C 222	12.2	42.1	20	3	US-09-499-082-18	Sequence 18, Appl
C 150	12.8	44.1	79	2	US-08-790-963-67	Sequence 67, Appl	C 223	12.2	42.1	20	3	US-09-499-082-18	Sequence 18, Appl
C 151	12.8	44.1	79	3	US-09-371-774-67	Sequence 67, Appl	C 224	12.2	42.1	20	4	US-09-580-497B-1	Sequence 1, Appl
C 152	12.6	43.4	29	1	US-08-467-420A-22	Sequence 22, Appl	C 225	12.2	42.1	22	4	US-09-159-871-10	Sequence 10, Appl
C 153	12.6	43.4	29	1	US-08-470-110A-22	Sequence 22, Appl	C 226	12.2	42.1	24	4	US-09-957-005-14	Sequence 14, Appl
C 154	12.6	43.4	29	1	US-08-667-769A-22	Sequence 22, Appl	C 227	12.2	42.1	24	4	US-09-957-005-14	Sequence 14, Appl
C 155	12.6	43.4	29	2	US-08-940-371-22	Sequence 22, Appl	C 228	12.2	42.1	25	4	US-09-827-998-1096	Sequence 1096, Ap
C 156	12.6	43.4	29	2	US-08-483-636-30	Sequence 30, Appl	C 229	12.2	42.1	30	1	US-08-186-229-19	Sequence 19, Appl
C 157	12.6	43.4	29	2	US-08-483-632-30	Sequence 30, Appl	C 230	12.2	42.1	30	1	US-08-527-097-3	Sequence 3, Appl
C 158	12.6	43.4	29	3	US-08-637-647-22	Sequence 22, Appl	C 231	12.2	42.1	30	2	US-08-470-124-19	Sequence 19, Appl
C 159	12.6	43.4	29	5	PCT-US94-07659-13	Sequence 13, Appl	C 232	12.2	42.1	31	4	US-08-961-957D-10	Sequence 10, Appl
C 160	12.6	43.4	30	5	PCT-US95-17082A-22	Sequence 22, Appl	C 233	12.2	42.1	33	1	US-08-450-944-11	Sequence 11, Appl
C 161	12.6	43.4	30	4	US-08-709-731A-14	Sequence 14, Appl	C 234	12.2	42.1	33	3	US-09-078-166-36	Sequence 36, Appl
C 162	12.6	43.4	32	2	US-08-632-575B-59	Sequence 59, Appl	C 235	12.2	42.1	33	5	PCT-US96-07709-11	Sequence 11, Appl
C 163	12.6	43.4	32	4	US-09-199-542B-59	Sequence 59, Appl	C 236	12.2	42.1	36	1	US-08-423-399B-25	Sequence 25, Appl
C 164	12.6	43.4	34	4	US-09-581-070-2	Sequence 2, Appl	C 237	12.2	42.1	37	4	US-09-579-897-2	Sequence 2, Appl
C 165	12.6	43.4	34	4	US-09-581-070-5	Sequence 5, Appl	C 238	12.2	42.1	39	4	US-09-270-140A-91	Sequence 91, Appl
C 166	12.6	43.4	36	1	US-07-756-251A-6	Sequence 6, Appl	C 239	12.2	42.1	46	1	US-08-242-098-37	Sequence 37, Appl
C 167	12.6	43.4	45	2	US-08-860-882A-19	Sequence 19, Appl	C 240	12.2	42.1	47	4	US-09-671-317-500	Sequence 500, App
C 168	12.6	43.4	45	2	US-09-011-769A-15	Sequence 15, Appl	C 241	12.2	42.1	47	4	US-09-422-978-299	Sequence 299, App
C 169	12.6	43.4	47	4	US-09-422-978-96	Sequence 96, Appl	C 242	12.2	42.1	47	4	US-09-422-978-3619	Sequence 3619, Ap
C 170	12.6	43.4	55	4	US-09-359-304B-4	Sequence 4, Appl	C 243	12.2	42.1	49	2	US-08-850-049-56	Sequence 56, Appl
C 171	12.6	43.4	61	4	US-09-475-947A-272	Sequence 272, App	C 244	12.2	42.1	49	3	US-08-050-478-56	Sequence 56, Appl
C 172	12.6	43.4	64	1	US-08-271-364A-2	Sequence 2, Appl	C 245	12.2	42.1	49	4	US-09-414-117-56	Sequence 56, Appl
C 173	12.6	43.4	75	1	US-07-971-101-6	Sequence 6, Appl	C 246	12.2	42.1	51	1	US-08-220-151-39	Sequence 39, Appl

C 247	12.2	42.1	51	1	US-08-413-118-39	Sequence 39, Appl	320	12	41.4	50	4	US-09-354-947-466	Sequence 466, App
C 248	12.2	42.1	51	1	US-08-224-657-16	Sequence 16, Appl	321	12	41.4	50	5	PCT-US93-12388-466	Sequence 466, App
C 249	12.2	42.1	51	1	US-08-257-073-83	Sequence 83, Appl	322	12	41.4	54	2	US-08-418-848A-57	Sequence 57, Appl
C 250	12.2	42.1	51	1	US-08-184-009-16	Sequence 16, Appl	323	12	41.4	66	3	US-09-046-247-138	Sequence 138, App
C 251	12.2	42.1	51	2	US-08-486-969-16	Sequence 16, Appl	324	12	41.4	69	1	US-08-053-131-129	Sequence 129, App
C 252	12.2	42.1	51	2	US-08-417-210A-16	Sequence 16, Appl	325	12	41.4	69	1	US-08-645-641-129	Sequence 129, App
C 253	12.2	42.1	51	2	US-08-458-556-16	Sequence 16, Appl	326	12	41.4	69	1	US-07-853-408B-129	Sequence 129, App
C 254	12.2	42.1	51	2	US-08-471-025-16	Sequence 16, Appl	327	12	41.4	69	1	US-08-096-762-129	Sequence 129, App
C 255	12.2	42.1	51	3	US-08-473-446-39	Sequence 39, Appl	328	12	41.4	69	2	US-08-308-865-129	Sequence 129, App
C 256	12.2	42.1	51	3	US-08-460-736-16	Sequence 16, Appl	329	12	41.4	69	5	PCT-US92-10983-129	Sequence 129, App
C 257	12.2	42.1	51	4	US-09-354-138-16	Sequence 16, Appl	330	12	41.4	70	2	US-08-484-502A-157	Sequence 157, App
C 258	12.2	42.1	51	4	US-09-535-370-16	Sequence 16, Appl	331	12	41.4	70	2	US-08-488-452A-157	Sequence 157, App
C 259	12.2	42.1	51	4	US-09-136-159A-16	Sequence 16, Appl	332	12	41.4	70	3	US-09-275-850-126	Sequence 126, App
C 260	12.2	42.1	51	4	US-09-143-199C-251	Sequence 251, App	333	12	41.4	70	5	PCT-US96-09472-157	Sequence 157, App
C 261	12.2	42.1	51	5	PCT-US96-00547-16	Sequence 16, Appl	334	12	41.4	80	2	US-08-693-302-1	Sequence 1, Appl
C 262	12.2	42.1	54	4	US-08-899-241-230	Sequence 230, App	335	12	41.4	80	3	US-09-099-466-1	Sequence 1, Appl
C 263	12.2	42.1	54	4	US-09-315-926A-23	Sequence 23, Appl	C 336	11.8	40.7	17	4	US-09-827-998-285	Sequence 285, App
C 264	12.2	42.1	54	4	US-09-253-955-10	Sequence 10, Appl	C 337	11.8	40.7	18	2	US-09-213-768-24	Sequence 24, Appl
C 265	12.2	42.1	60	3	US-09-637-405-10	Sequence 10, Appl	C 338	11.8	40.7	20	3	US-09-358-384-30	Sequence 29, Appl
C 266	12.2	42.1	60	3	US-09-270-140A-95	Sequence 95, Appl	C 339	11.8	40.7	20	3	US-09-358-384-30	Sequence 30, Appl
C 267	12.2	42.1	60	4	US-08-746-585B-10	Sequence 10, Appl	C 340	11.8	40.7	20	3	US-09-358-384-31	Sequence 31, Appl
C 268	12.2	42.1	61	4	US-09-313-221A-80	Sequence 80, Appl	C 341	11.8	40.7	20	4	US-09-322-357-18	Sequence 18, Appl
C 269	12.2	42.1	63	4	US-08-940-136-262	Sequence 262, App	C 342	11.8	40.7	24	2	US-08-507-634-6	Sequence 6, Appl
C 270	12.2	42.1	70	3	US-09-275-850-142	Sequence 142, App	C 343	11.8	40.7	25	1	US-08-531-556-21	Sequence 21, Appl
C 271	12	41.4	17	2	US-08-877-831-2	Sequence 2, Appl	C 344	11.8	40.7	25	1	US-08-472-416-21	Sequence 21, Appl
C 272	12	41.4	21	4	US-09-422-978-10994	Sequence 10994, A	C 345	11.8	40.7	25	4	US-09-827-998-1108	Sequence 1108, App
C 273	12	41.4	25	4	US-09-063-733A-18	Sequence 18, Appl	C 346	11.8	40.7	25	4	US-09-866-108A-3195	Sequence 3195, App
C 274	12	41.4	29	4	US-09-304-232-344	Sequence 344, App	C 347	11.8	40.7	25	4	US-09-866-108A-3198	Sequence 3198, App
C 275	12	41.4	31	1	US-07-977-284A-233	Sequence 233, App	C 348	11.8	40.7	26	1	US-08-599-252-43	Sequence 43, Appl
C 276	12	41.4	31	2	US-08-256-426B-233	Sequence 233, App	C 349	11.8	40.7	26	5	PCT-US96-06952-43	Sequence 43, Appl
C 277	12	41.4	31	4	US-09-077-940A-17	Sequence 17, Appl	C 350	11.8	40.7	26	5	PCT-US96-06952-43	Sequence 43, Appl
C 278	12	41.4	33	3	US-09-121-425-10	Sequence 10, Appl	C 351	11.8	40.7	28	2	US-08-858-767-21	Sequence 21, Appl
C 279	12	41.4	33	4	US-09-634-493A-10	Sequence 10, Appl	C 352	11.8	40.7	28	2	US-08-858-767-21	Sequence 22, Appl
C 280	12	41.4	33	4	US-09-584-855-99	Sequence 99, Appl	C 353	11.8	40.7	28	2	US-08-858-767-21	Sequence 23, Appl
C 281	12	41.4	34	4	US-09-462-569B-6	Sequence 6, Appl	C 354	11.8	40.7	28	2	US-08-863-028-21	Sequence 21, Appl
C 282	12	41.4	34	4	US-09-098-219B-4	Sequence 4, Appl	C 355	11.8	40.7	28	2	US-08-863-028-22	Sequence 22, Appl
C 283	12	41.4	34	4	US-10-164-204-4	Sequence 4, Appl	C 356	11.8	40.7	28	2	US-08-863-028-23	Sequence 23, Appl
C 284	12	41.4	36	1	US-08-469-177-3	Sequence 3, Appl	C 357	11.8	40.7	30	2	US-08-821-782-11	Sequence 11, Appl
C 285	12	41.4	36	4	US-09-327-984A-9	Sequence 9, Appl	C 358	11.8	40.7	30	4	US-09-292-435A-11	Sequence 11, Appl
C 286	12	41.4	36	4	US-09-198-119C-19	Sequence 19, Appl	C 359	11.8	40.7	32	3	US-08-718-738-16	Sequence 16, Appl
C 287	12	41.4	36	4	US-08-469-600A-631	Sequence 631, App	C 360	11.8	40.7	32	5	PCT-US95-0323A-16	Sequence 16, Appl
C 288	12	41.4	36	4	US-08-488-446-631	Sequence 631, App	C 361	11.8	40.7	32	5	PCT-US95-0323A-16	Sequence 16, Appl
C 289	12	41.4	36	4	US-08-467-344A-631	Sequence 631, App	C 362	11.8	40.7	33	1	US-08-434-411-50	Sequence 50, Appl
C 290	12	41.4	38	4	US-09-402-401C-29	Sequence 29, Appl	C 363	11.8	40.7	33	1	US-08-434-411-51	Sequence 51, Appl
C 291	12	41.4	41	4	US-09-565-156A-2	Sequence 2, Appl	C 364	11.8	40.7	33	1	US-08-434-411-52	Sequence 52, Appl
C 292	12	41.4	41	4	US-09-571-774-2	Sequence 2, Appl	C 365	11.8	40.7	33	1	US-08-434-411-53	Sequence 53, Appl
C 293	12	41.4	41	4	US-09-852-385-2	Sequence 2, Appl	C 366	11.8	40.7	33	1	US-08-434-402-50	Sequence 50, Appl
C 294	12	41.4	41	4	US-08-459-489-8	Sequence 8, Appl	C 367	11.8	40.7	33	1	US-08-434-402-51	Sequence 51, Appl
C 295	12	41.4	44	1	US-08-458-686-8	Sequence 8, Appl	C 368	11.8	40.7	33	1	US-08-434-402-52	Sequence 52, Appl
C 296	12	41.4	44	1	US-07-843-350C-8	Sequence 8, Appl	C 369	11.8	40.7	33	1	US-08-434-402-53	Sequence 53, Appl
C 297	12	41.4	44	5	PCT-US93-01559-8	Sequence 8, Appl	C 370	11.8	40.7	33	1	US-08-783-288-50	Sequence 50, Appl
C 298	12	41.4	47	1	US-08-145-704-44	Sequence 44, Appl	C 371	11.8	40.7	33	1	US-08-783-288-51	Sequence 51, Appl
C 299	12	41.4	47	3	US-08-987-574-44	Sequence 44, Appl	C 372	11.8	40.7	33	1	US-08-783-288-52	Sequence 52, Appl
C 300	12	41.4	47	3	US-08-535-168-44	Sequence 44, Appl	C 373	11.8	40.7	33	1	US-08-783-288-53	Sequence 53, Appl
C 301	12	41.4	47	3	US-08-338-907-214	Sequence 214, App	C 374	11.8	40.7	33	2	US-08-890-640-50	Sequence 50, Appl
C 302	12	41.4	47	3	US-09-017-974-44	Sequence 44, App	C 375	11.8	40.7	33	2	US-08-890-640-51	Sequence 51, Appl
C 303	12	41.4	47	4	US-08-682-255A-44	Sequence 44, App	C 376	11.8	40.7	33	2	US-08-890-640-52	Sequence 52, Appl
C 304	12	41.4	47	4	US-09-218-207-214	Sequence 214, App	C 377	11.8	40.7	33	2	US-08-890-640-53	Sequence 53, Appl
C 305	12	41.4	47	4	US-09-429-130-44	Sequence 44, App	C 378	11.8	40.7	33	6	5194592-23	Patent No. 5194592
C 306	12	41.4	47	4	US-09-422-978-59	Sequence 59, App	C 379	11.8	40.7	33	6	5194592-24	Patent No. 5194592
C 307	12	41.4	47	4	US-09-422-978-1485	Sequence 1485, App	C 380	11.8	40.7	33	6	5194592-24	Patent No. 5194592
C 308	12	41.4	47	4	US-09-422-978-3352	Sequence 3352, App	C 381	11.8	40.7	34	3	US-09-386-607-9	Sequence 9, Appl
C 309	12	41.4	47	5	PCT-US96-11786-44	Sequence 44, App	C 382	11.8	40.7	34	3	US-09-386-607-10	Sequence 10, Appl
C 310	12	41.4	48	1	US-08-171-389-191	Sequence 191, App	C 383	11.8	40.7	34	3	US-09-073-019-12	Sequence 12, Appl
C 311	12	41.4	48	1	US-08-123-936-191	Sequence 191, App	C 384	11.8	40.7	35	4	US-10-045-428A-16	Sequence 16, Appl
C 312	12	41.4	48	2	US-08-475-228A-191	Sequence 191, App	C 385	11.8	40.7	36	2	US-08-585-684B-918	Sequence 918, App
C 313	12	41.4	48	3	US-08-482-080A-191	Sequence 191, App	C 386	11.8	40.7	36	3	US-09-038-073-918	Sequence 918, App
C 314	12	41.4	48	4	US-08-354-947-191	Sequence 191, App	C 387	11.8	40.7	38	4	US-09-371-772B-8445	Sequence 7942, App
C 315	12	41.4	48	5	PCT-US93-12388-191	Sequence 191, App	C 388	11.8	40.7	38	4	US-09-371-772B-8445	Sequence 8445, App
C 316	12	41.4	50	1	US-08-171-389-466	Sequence 466, App	C 389	11.8	40.7	39	3	US-09-124-541-14	Sequence 14, Appl
C 317	12	41.4	50	1	US-08-123-936-466	Sequence 466, App	C 390	11.8	40.7	39	3	US-09-124-541-16	Sequence 16, Appl
C 318	12	41.4	50	2	US-08-475-328A-466	Sequence 466, App	C 391	11.8	40.7	39	4	US-09-663-326-16	Sequence 16, Appl
C 319	12	41.4	50	3	US-08-482-080A-466	Sequence 466, App	C 392	11.8	40.7	41	1	US-08-468-220-29	Sequence 29, Appl

393	11.8	40.7	41	2	US-08-468-698-29	Sequence 29, Appl	C 466	11.6	40.0	27	2	US-08-546-117-6	Sequence 6, Appl
C 394	11.8	40.7	41	2	US-08-833-814A-6	Sequence 29, Appl	C 467	11.6	40.0	28	5	PCT-US95-11873-10	Sequence 10, Appl
395	11.8	40.7	41	2	US-08-194-664A-29	Sequence 29, Appl	C 468	11.6	40.0	28	1	US-08-318-867A-19	Sequence 19, Appl
396	11.8	40.7	41	5	PCT-US94-01553A-29	Sequence 29, Appl	C 469	11.6	40.0	28	2	US-08-718-658-3	Sequence 3, Appl
397	11.8	40.7	41	5	PCT-US95-10426-29	Sequence 29, Appl	C 470	11.6	40.0	28	3	US-08-952-089A-5	Sequence 5, Appl
C 398	11.8	40.7	44	1	US-08-478-783A-82	Sequence 82, Appl	C 471	11.6	40.0	28	3	US-09-227-684-3	Sequence 3, Appl
C 399	11.8	40.7	44	1	US-08-478-725-82	Sequence 27, Appl	C 472	11.6	40.0	29	1	US-08-219-633-25	Sequence 25, Appl
C 400	11.8	40.7	45	1	US-07-720-232-27	Sequence 27, Appl	C 473	11.6	40.0	29	1	US-08-319-838B-7	Sequence 7, Appl
C 401	11.8	40.7	44	1	US-09-522-433B-30	Sequence 30, Appl	C 474	11.6	40.0	29	1	US-08-515-238-25	Sequence 25, Appl
C 402	11.8	40.7	45	4	US-09-526-193A-55	Sequence 55, Appl	C 475	11.6	40.0	29	1	US-08-761-950-25	Sequence 39, Appl
C 403	11.8	40.7	45	4	US-08-944-368A-28	Sequence 28, Appl	C 476	11.6	40.0	29	2	US-08-632-575B-39	Sequence 39, Appl
C 404	11.8	40.7	47	3	US-09-820-764-28	Sequence 28, Appl	C 477	11.6	40.0	29	2	US-08-642-045B-6	Sequence 6, Appl
C 405	11.8	40.7	47	4	US-09-641-638-1045	Sequence 1045, Ap	C 478	11.6	40.0	29	3	US-08-852-268-6	Sequence 6, Appl
C 406	11.8	40.7	47	4	US-09-641-638-1214	Sequence 1214, Ap	C 479	11.6	40.0	29	3	US-09-327-229-31	Sequence 31, Appl
C 407	11.8	40.7	47	4	US-09-671-317-596	Sequence 596, App	C 480	11.6	40.0	29	4	US-09-199-542B-39	Sequence 39, Appl
C 408	11.8	40.7	47	4	US-09-671-317-728	Sequence 728, App	C 481	11.6	40.0	29	5	PCT-US95-13142-7	Sequence 7, Appl
C 409	11.8	40.7	47	4	US-09-671-317-864	Sequence 864, App	C 482	11.6	40.0	29	5	US-08-486-963-3	Sequence 31, Appl
C 410	11.8	40.7	47	4	US-09-671-317-876	Sequence 876, App	C 483	11.6	40.0	30	1	US-08-629-001A-56	Sequence 56, Appl
C 411	11.8	40.7	47	4	US-09-422-978-36	Sequence 36, Appl	C 484	11.6	40.0	30	2	US-08-629-001A-56	Sequence 56, Appl
C 412	11.8	40.7	47	4	US-09-422-978-205	Sequence 205, App	C 485	11.6	40.0	30	3	US-08-642-274D-135	Sequence 135, App
C 413	11.8	40.7	47	4	US-09-422-978-1098	Sequence 1098, Ap	C 486	11.6	40.0	30	4	US-10-012-762-1	Sequence 1, Appl
C 414	11.8	40.7	47	4	US-09-422-978-1965	Sequence 1965, Ap	C 487	11.6	40.0	30	4	US-09-704-038B-1	Sequence 1, Appl
C 415	11.8	40.7	47	4	US-09-422-978-2474	Sequence 2474, Ap	C 488	11.6	40.0	31	3	US-09-161-468-6	Sequence 6, Appl
C 416	11.8	40.7	47	4	US-09-422-978-3077	Sequence 3077, Ap	C 489	11.6	40.0	32	4	US-09-091-889A-12	Sequence 12, Appl
C 417	11.8	40.7	47	4	US-09-422-978-3628	Sequence 3628, Ap	C 490	11.6	40.0	32	4	US-08-979-847B-104	Sequence 104, App
C 418	11.8	40.7	47	4	US-09-422-978-3811	Sequence 3811, Ap	C 491	11.6	40.0	33	4	US-09-199-542B-76	Sequence 76, Appl
C 419	11.8	40.7	47	4	US-09-986-118A-28	Sequence 28, Appl	C 492	11.6	40.0	33	4	US-09-684-855-100	Sequence 100, App
C 420	11.8	40.7	47	4	US-09-824-017-28	Sequence 28, Appl	C 493	11.6	40.0	36	3	US-09-023-082A-93	Sequence 93, Appl
C 421	11.8	40.7	48	3	US-09-063-893A-18	Sequence 18, Appl	C 494	11.6	40.0	36	3	US-09-023-082A-93	Sequence 109, App
C 422	11.8	40.7	49	4	US-09-922-221-8	Sequence 8, Appl	C 495	11.6	40.0	36	3	US-09-218-444-14	Sequence 14, Appl
C 423	11.8	40.7	50	1	US-08-207-901-88	Sequence 88, Appl	C 496	11.6	40.0	36	3	US-09-218-444-14	Sequence 30, Appl
C 424	11.8	40.7	50	2	US-08-428-257A-67	Sequence 43, Appl	C 497	11.6	40.0	36	4	US-09-248-998-93	Sequence 93, Appl
C 425	11.8	40.7	50	3	US-09-282-147-43	Sequence 63, Appl	C 498	11.6	40.0	36	4	US-09-248-998-109	Sequence 109, App
C 426	11.8	40.7	53	4	US-09-492-308A-11	Sequence 11, Appl	C 499	11.6	40.0	36	4	US-09-853-666-30	Sequence 14, Appl
C 427	11.8	40.7	54	1	US-08-073-962-3	Sequence 3, Appl	C 500	11.6	40.0	36	4	US-09-853-666-30	Sequence 30, Appl
C 428	11.8	40.7	54	1	US-08-073-962-4	Sequence 4, Appl	C 501	11.6	40.0	36	5	PCT-US93-08479-7	Sequence 7, Appl
C 429	11.8	40.7	54	1	US-08-487-412-3	Sequence 3, Appl	C 502	11.6	40.0	38	1	US-08-373-124A-303	Sequence 303, App
C 430	11.8	40.7	54	1	US-08-487-412-4	Sequence 4, Appl	C 503	11.6	40.0	38	1	US-08-373-124A-877	Sequence 877, App
C 431	11.8	40.7	61	4	US-09-229-037-36	Sequence 36, Appl	C 504	11.6	40.0	38	1	US-08-373-124A-1328	Sequence 1328, App
C 432	11.8	40.7	61	4	US-09-478-681-36	Sequence 36, Appl	C 505	11.6	40.0	38	1	US-08-435-628-303	Sequence 303, App
C 433	11.8	40.7	66	1	US-08-105-483-204	Sequence 204, App	C 506	11.6	40.0	38	1	US-08-435-628-877	Sequence 877, App
C 434	11.8	40.7	66	1	US-08-220-151-85	Sequence 85, Appl	C 507	11.6	40.0	38	1	US-08-435-628-1328	Sequence 1328, App
C 435	11.8	40.7	66	1	US-08-413-118-85	Sequence 85, Appl	C 508	11.6	40.0	42	4	US-09-693-147-21	Sequence 21, Appl
C 436	11.8	40.7	66	1	US-08-224-657-61	Sequence 61, Appl	C 509	11.6	40.0	42	4	US-09-381-393A-8	Sequence 8, Appl
C 437	11.8	40.7	66	1	US-08-709-209-204	Sequence 204, App	C 510	11.6	40.0	42	4	US-09-478-189-125	Sequence 125, App
C 438	11.8	40.7	66	1	US-08-458-101-204	Sequence 204, App	C 511	11.6	40.0	46	4	US-09-671-317-526	Sequence 526, App
C 439	11.8	40.7	66	2	US-08-184-009-59	Sequence 59, Appl	C 512	11.6	40.0	47	4	US-09-422-978-271	Sequence 271, App
C 440	11.8	40.7	66	2	US-08-417-210A-59	Sequence 59, Appl	C 513	11.6	40.0	47	4	US-09-422-978-1784	Sequence 1784, App
C 441	11.8	40.7	66	3	US-08-458-358-59	Sequence 59, Appl	C 514	11.6	40.0	47	4	US-09-422-978-2016	Sequence 2016, App
C 442	11.8	40.7	66	3	US-08-473-446-85	Sequence 59, Appl	C 515	11.6	40.0	47	4	US-09-422-978-3644	Sequence 3644, App
C 443	11.8	40.7	66	3	US-08-460-736-59	Sequence 59, Appl	C 516	11.6	40.0	48	1	US-08-298-073-11	Sequence 11, Appl
C 444	11.8	40.7	66	4	US-09-354-138-61	Sequence 61, Appl	C 517	11.6	40.0	48	1	US-08-794-153-11	Sequence 11, Appl
C 445	11.8	40.7	66	4	US-09-535-370-59	Sequence 59, Appl	C 518	11.6	40.0	48	3	US-08-290-995-13	Sequence 13, Appl
C 446	11.8	40.7	66	4	US-09-136-159A-59	Sequence 59, Appl	C 519	11.6	40.0	48	3	US-09-115-566-11	Sequence 11, Appl
C 447	11.8	40.7	70	4	US-09-453-702B-47	Sequence 47, Appl	C 520	11.6	40.0	48	4	US-09-586-546-43	Sequence 43, Appl
C 448	11.8	40.7	71	3	US-09-275-850-140	Sequence 140, App	C 521	11.6	40.0	48	4	US-09-065-914B-2	Sequence 2, Appl
C 449	11.8	40.7	71	4	US-09-388-128-16	Sequence 16, Appl	C 522	11.6	40.0	49	1	US-08-316-293-42	Sequence 42, Appl
C 450	11.8	40.7	72	1	US-08-956-171E-1978	Sequence 1978, Ap	C 523	11.6	40.0	50	4	US-08-849-567A-70	Sequence 70, Appl
C 451	11.8	40.7	72	4	US-08-248-474-87	Sequence 87, Appl	C 524	11.6	40.0	52	3	US-08-290-995-8	Sequence 8, Appl
C 452	11.8	40.7	77	3	US-08-756-849-87	Sequence 87, Appl	C 525	11.6	40.0	52	4	US-08-956-171E-2072	Sequence 2072, App
C 453	11.6	40.0	20	3	US-09-428-584-61	Sequence 61, Appl	C 526	11.6	40.0	52	4	US-09-423-753-19	Sequence 19, Appl
C 454	11.6	40.0	20	3	US-09-311-260-58	Sequence 58, Appl	C 527	11.6	40.0	54	2	US-08-585-684B-2696	Sequence 2696, App
C 455	11.6	40.0	20	3	US-09-247-190-33	Sequence 33, Appl	C 528	11.6	40.0	54	3	US-09-038-073-2696	Sequence 2696, App
C 456	11.6	40.0	20	3	US-09-308-003-34	Sequence 34, Appl	C 529	11.6	40.0	54	3	US-09-440-523-66	Sequence 66, App
C 457	11.6	40.0	20	4	US-09-198-452A-1456	Sequence 1456, Ap	C 530	11.6	40.0	56	1	US-08-171-389-600	Sequence 600, App
C 458	11.6	40.0	21	1	US-08-410-779B-96	Sequence 96, Appl	C 531	11.6	40.0	56	1	US-08-123-936-600	Sequence 600, App
C 459	11.6	40.0	21	4	US-09-422-978-11518	Sequence 11518, A	C 532	11.6	40.0	56	2	US-08-475-228A-600	Sequence 600, App
C 460	11.6	40.0	21	5	PCT-US95-04477-96	Sequence 96, Appl	C 533	11.6	40.0	56	3	US-08-482-080A-600	Sequence 600, App
C 461	11.6	40.0	24	3	US-08-795-430-47	Sequence 47, Appl	C 534	11.6	40.0	56	3	US-09-354-947-600	Sequence 600, App
C 462	11.6	40.0	24	4	US-09-355-700-47	Sequence 47, Appl	C 535	11.6	40.0	56	4	PCT-US93-1238B-600	Sequence 600, App
C 463	11.6	40.0	25	4	US-09-479-770A-10	Sequence 10, Appl	C 536	11.6	40.0	56	5	US-10-153-064-14	Sequence 14, Appl
C 464	11.6	40.0	26	1	US-08-722-001-8	Sequence 8, Appl	C 537	11.6	40.0	60	4	US-10-153-064-15	Sequence 15, Appl
C 465	11.6	40.0	27	1	US-08-308-461-10	Sequence 10, Appl	C 538	11.6	40.0	60	4		

C 539	11.6	40.0	61	4	US-09-619-213B-45	Sequence 45, Appl	C 612	11.4	39.3	37	4	US-09-097-239-25	Sequence 25, Appl
C 540	11.6	40.0	62	4	US-09-689-065B-70	Sequence 40, Appl	C 613	11.4	39.3	37	4	US-08-559-390-479	Sequence 479, Appl
C 541	11.6	40.0	64	4	US-09-586-546-40	Sequence 40, Appl	C 614	11.4	39.3	37	4	US-08-559-390-481	Sequence 481, Appl
C 542	11.6	40.0	64	4	US-09-065-914B-4	Sequence 4, Appl	C 615	11.4	39.3	37	4	US-08-559-390-483	Sequence 483, Appl
C 543	11.6	40.0	66	4	US-08-956-171E-1643	Sequence 1643, Ap	C 616	11.4	39.3	37	4	US-08-559-390-485	Sequence 485, Appl
C 544	11.6	40.0	67	4	US-08-956-171E-3341	Sequence 3341, Ap	C 617	11.4	39.3	37	4	US-08-559-390-487	Sequence 487, Appl
C 545	11.6	40.0	69	2	US-08-332-562A-4	Sequence 4, Appl	C 618	11.4	39.3	37	4	US-08-559-390-489	Sequence 489, Appl
C 546	11.6	40.0	69	4	US-09-011-336-62	Sequence 62, Appl	C 619	11.4	39.3	37	4	US-08-559-390-491	Sequence 491, Appl
C 547	11.6	40.0	72	1	US-08-332-420-45	Sequence 45, Appl	C 620	11.4	39.3	37	4	US-08-559-390-493	Sequence 493, Appl
C 548	11.6	40.0	75	4	US-09-025-769B-311	Sequence 311, Appl	C 621	11.4	39.3	37	4	US-08-559-390-495	Sequence 495, Appl
C 549	11.6	40.0	76	4	US-09-025-769B-310	Sequence 310, Appl	C 622	11.4	39.3	37	4	US-08-559-390-521	Sequence 521, Appl
C 550	11.6	40.0	79	4	US-09-389-681-304	Sequence 304, Appl	C 623	11.4	39.3	37	4	US-08-559-390-548	Sequence 548, Appl
C 551	11.6	40.0	79	4	US-09-620-405B-304	Sequence 304, Appl	C 624	11.4	39.3	37	4	US-09-065-752-25	Sequence 25, Appl
C 552	11.6	40.0	79	4	US-08-333-338-304	Sequence 304, Appl	C 625	11.4	39.3	37	5	PCT-US93-11198-479	Sequence 479, Appl
C 553	11.6	40.0	79	4	US-08-433-826B-304	Sequence 304, Appl	C 626	11.4	39.3	37	5	PCT-US93-11198-481	Sequence 481, Appl
C 554	11.6	40.0	79	4	US-09-604-287A-304	Sequence 304, Appl	C 627	11.4	39.3	37	5	PCT-US93-11198-483	Sequence 483, Appl
C 555	11.6	40.0	79	4	US-08-834-759-304	Sequence 304, Appl	C 628	11.4	39.3	37	5	PCT-US93-11198-485	Sequence 485, Appl
C 556	11.4	39.3	17	4	US-08-584-040-3752	Sequence 3752, Ap	C 629	11.4	39.3	37	5	PCT-US93-11198-487	Sequence 487, Appl
C 557	11.4	39.3	17	4	US-09-371-772B-1519	Sequence 1519, Ap	C 630	11.4	39.3	37	5	PCT-US93-11198-489	Sequence 489, Appl
C 558	11.4	39.3	17	4	US-09-371-772B-6139	Sequence 6139, Ap	C 631	11.4	39.3	37	5	PCT-US93-11198-491	Sequence 491, Appl
C 559	11.4	39.3	20	4	US-08-948-686-49	Sequence 49, Appl	C 632	11.4	39.3	37	5	PCT-US93-11198-493	Sequence 493, Appl
C 560	11.4	39.3	22	1	US-08-271-946A-59	Sequence 59, Appl	C 633	11.4	39.3	37	5	PCT-US93-11198-495	Sequence 495, Appl
C 561	11.4	39.3	22	1	US-08-271-942A-61	Sequence 61, Appl	C 634	11.4	39.3	37	5	PCT-US93-11198-521	Sequence 521, Appl
C 562	11.4	39.3	22	3	US-08-779-916A-61	Sequence 61, Appl	C 635	11.4	39.3	37	5	PCT-US93-11198-548	Sequence 548, Appl
C 563	11.4	39.3	22	3	US-08-750-232-59	Sequence 59, Appl	C 636	11.4	39.3	38	1	US-08-191-866D-95	Sequence 95, Appl
C 564	11.4	39.3	22	5	PCT-US95-08604-61	Sequence 49, Appl	C 637	11.4	39.3	38	3	US-08-480-640A-131	Sequence 131, Appl
C 565	11.4	39.3	22	5	PCT-US95-08604-61	Sequence 49, Appl	C 638	11.4	39.3	38	3	US-08-295-802-131	Sequence 131, Appl
C 566	11.4	39.3	22	5	PCT-US95-08606-59	Sequence 59, Appl	C 639	11.4	39.3	38	3	US-08-488-237A-131	Sequence 131, Appl
C 567	11.4	39.3	24	1	US-07-722-798A-124	Sequence 124, Appl	C 640	11.4	39.3	38	4	US-08-375-992A-131	Sequence 131, Appl
C 568	11.4	39.3	24	2	US-08-242-680-4	Sequence 4, Appl	C 641	11.4	39.3	38	4	US-09-325-554-15	Sequence 15, Appl
C 569	11.4	39.3	24	2	US-08-332-766A-99	Sequence 99, Appl	C 642	11.4	39.3	38	4	US-09-325-554-15	Sequence 15, Appl
C 570	11.4	39.3	24	2	US-08-653-382A-4	Sequence 4, Appl	C 643	11.4	39.3	38	4	US-08-472-679H-131	Sequence 131, Appl
C 571	11.4	39.3	24	4	US-09-812-028-1	Sequence 1, Appl	C 644	11.4	39.3	38	4	US-09-371-772B-7874	Sequence 7874, Ap
C 572	11.4	39.3	25	4	US-09-922-221-6	Sequence 6, Appl	C 645	11.4	39.3	38	4	US-09-371-772B-8215	Sequence 8215, Ap
C 573	11.4	39.3	25	4	US-09-866-108A-3199	Sequence 3199, Ap	C 646	11.4	39.3	38	4	US-09-371-772B-11756	Sequence 11756, A
C 574	11.4	39.3	25	4	US-09-866-108A-3200	Sequence 3200, Ap	C 647	11.4	39.3	38	4	US-09-371-772B-12340	Sequence 12340, A
C 575	11.4	39.3	33	1	US-08-479-487-13	Sequence 13, Appl	C 648	11.4	39.3	38	4	US-09-371-772B-12459	Sequence 12459, A
C 576	11.4	39.3	33	1	US-07-762-132A-6	Sequence 6, Appl	C 649	11.4	39.3	38	4	US-09-371-772B-12520	Sequence 12520, A
C 577	11.4	39.3	33	2	US-08-532-390-38	Sequence 38, Appl	C 650	11.4	39.3	38	4	US-09-371-772B-12520	Sequence 12520, A
C 578	11.4	39.3	33	2	US-08-472-045-6	Sequence 6, Appl	C 651	11.4	39.3	39	4	US-09-957-005-20	Sequence 20, Appl
C 579	11.4	39.3	33	3	US-08-717-294-38	Sequence 38, Appl	C 652	11.4	39.3	40	3	US-08-833-167-85	Sequence 85, Appl
C 580	11.4	39.3	33	4	US-08-696-924-6	Sequence 6, Appl	C 653	11.4	39.3	40	4	US-09-344-837A-85	Sequence 85, Appl
C 581	11.4	39.3	33	4	US-08-387-805-3	Sequence 3, Appl	C 654	11.4	39.3	40	4	US-09-205-815B-38	Sequence 38, Appl
C 582	11.4	39.3	33	4	US-09-057-473-6	Sequence 6, Appl	C 655	11.4	39.3	40	4	US-09-548-797B-170	Sequence 170, Appl
C 583	11.4	39.3	33	5	PCT-US95-02075-6	Sequence 10, Appl	C 656	11.4	39.3	42	2	US-08-776-944-4	Sequence 4, Appl
C 584	11.4	39.3	34	4	US-09-302-357-10	Sequence 10, Appl	C 657	11.4	39.3	42	3	US-09-830-337-8	Sequence 8, Appl
C 585	11.4	39.3	35	3	US-09-363-970-36	Sequence 36, Appl	C 658	11.4	39.3	42	4	US-09-358-036-26	Sequence 26, Appl
C 586	11.4	39.3	36	4	US-09-302-357-4	Sequence 4, Appl	C 659	11.4	39.3	43	4	US-09-097-239-26	Sequence 26, Appl
C 587	11.4	39.3	37	1	US-08-411-796-479	Sequence 479, Appl	C 660	11.4	39.3	43	4	US-09-627-745-14	Sequence 14, Appl
C 588	11.4	39.3	37	1	US-08-411-796-481	Sequence 481, Appl	C 661	11.4	39.3	43	4	US-09-065-752-26	Sequence 26, Appl
C 589	11.4	39.3	37	1	US-08-411-796-483	Sequence 483, Appl	C 662	11.4	39.3	43	4	US-09-731-468-9	Sequence 9, Appl
C 590	11.4	39.3	37	1	US-08-411-796-485	Sequence 485, Appl	C 663	11.4	39.3	44	4	US-08-723-896-20	Sequence 20, Appl
C 591	11.4	39.3	37	1	US-08-411-796-487	Sequence 487, Appl	C 664	11.4	39.3	47	3	US-09-338-907-328	Sequence 328, Appl
C 592	11.4	39.3	37	1	US-08-411-796-489	Sequence 489, Appl	C 665	11.4	39.3	47	4	US-09-218-207-328	Sequence 328, Appl
C 593	11.4	39.3	37	1	US-08-411-796-491	Sequence 491, Appl	C 666	11.4	39.3	47	4	US-09-422-978-386	Sequence 386, Appl
C 594	11.4	39.3	37	1	US-08-411-796-493	Sequence 493, Appl	C 667	11.4	39.3	47	4	US-09-422-978-2030	Sequence 2030, Ap
C 595	11.4	39.3	37	1	US-08-411-796-495	Sequence 495, Appl	C 668	11.4	39.3	47	4	US-09-422-978-2381	Sequence 2381, Ap
C 596	11.4	39.3	37	1	US-08-411-796-521	Sequence 521, Appl	C 669	11.4	39.3	47	4	US-09-422-978-2469	Sequence 2469, Ap
C 597	11.4	39.3	37	1	US-08-411-796-548	Sequence 548, Appl	C 670	11.4	39.3	47	4	US-09-422-978-2786	Sequence 2786, Ap
C 598	11.4	39.3	37	3	US-08-471-039-479	Sequence 479, Appl	C 671	11.4	39.3	47	4	US-09-422-978-3113	Sequence 3113, Ap
C 599	11.4	39.3	37	3	US-08-471-039-481	Sequence 481, Appl	C 672	11.4	39.3	50	3	US-08-833-167-84	Sequence 84, Appl
C 600	11.4	39.3	37	3	US-08-471-039-483	Sequence 483, Appl	C 673	11.4	39.3	50	4	US-09-344-837A-84	Sequence 84, Appl
C 601	11.4	39.3	37	3	US-08-471-039-485	Sequence 485, Appl	C 674	11.4	39.3	50	4	US-09-907-794A-135	Sequence 135, Appl
C 602	11.4	39.3	37	3	US-08-471-039-487	Sequence 487, Appl	C 675	11.4	39.3	50	4	US-09-905-125A-135	Sequence 135, Appl
C 603	11.4	39.3	37	3	US-08-471-039-489	Sequence 489, Appl	C 676	11.4	39.3	50	4	US-09-902-775A-135	Sequence 135, Appl
C 604	11.4	39.3	37	3	US-08-471-039-491	Sequence 491, Appl	C 677	11.4	39.3	51	4	US-09-443-199C-765	Sequence 765, Appl
C 605	11.4	39.3	37	3	US-08-471-039-493	Sequence 493, Appl	C 678	11.4	39.3	51	4	US-09-443-199C-766	Sequence 766, Appl
C 606	11.4	39.3	37	3	US-08-471-039-495	Sequence 495, Appl	C 679	11.4	39.3	51	4	US-09-443-199C-776	Sequence 776, Appl
C 607	11.4	39.3	37	3	US-08-471-039-521	Sequence 521, Appl	C 680	11.4	39.3	51	4	US-09-443-199C-854	Sequence 854, Appl
C 608	11.4	39.3	37	3	US-08-471-039-548	Sequence 548, Appl	C 681	11.4	39.3	54	1	US-07-875-758-5	Sequence 5, Appl
C 609	11.4	39.3	37	3	US-09-058-489-56	Sequence 56, Appl	C 682	11.4	39.3	54	4	US-09-294-894-14	Sequence 14, Appl
C 610	11.4	39.3	37	3	US-08-721-458B-59	Sequence 59, Appl	C 683	11.4	39.3	54	4	US-09-479-645A-208	Sequence 208, Appl
C 611	11.4	39.3	37	4	US-09-358-036-25	Sequence 25, Appl	C 684	11.4	39.3	54	4		

C 685	11.4	39.3	57	4	US-08-956-171B-4987	Sequence 4987, Ap	758	11.2	38.6	29	2	US-08-632-575B-39	Sequence 39, Appl
C 686	11.4	39.3	61	4	US-08-956-171E-2106	Sequence 2106, Ap	759	11.2	38.6	29	3	US-09-327-223-31	Sequence 31, Appl
C 687	11.4	39.3	62	3	US-08-937-610-16	Sequence 16, Appl	760	11.2	38.6	29	4	US-09-139-542B-39	Sequence 39, Appl
C 688	11.4	39.3	62	4	US-09-855-159A-14	Sequence 14, Appl	C 761	11.2	38.6	29	5	PCT-US95-12608-31	Sequence 31, Appl
C 689	11.4	39.3	64	1	US-08-144-213-7	Sequence 7, Appl	C 762	11.2	38.6	29	6	US-08-182-530-4	Sequence 4, Appl
C 690	11.4	39.3	64	1	US-08-144-213-14	Sequence 14, Appl	C 763	11.2	38.6	30	1	US-08-050-058B-4	Sequence 4, Appl
C 691	11.4	39.3	65	4	US-09-196-281-17	Sequence 17, Appl	C 764	11.2	38.6	30	1	US-08-463-587A-4	Sequence 4, Appl
C 692	11.4	39.3	66	4	US-08-956-171E-2731	Sequence 2731, Ap	C 765	11.2	38.6	30	1	US-08-463-587A-7	Sequence 7, Appl
C 693	11.4	39.3	68	2	US-08-790-963-62	Sequence 62, Appl	C 766	11.2	38.6	30	2	US-08-441-871-8	Sequence 8, Appl
C 694	11.4	39.3	68	2	US-08-790-963-63	Sequence 63, Appl	C 767	11.2	38.6	30	3	US-08-771-781-2	Sequence 2, Appl
C 695	11.4	39.3	68	3	US-09-371-774-62	Sequence 62, Appl	C 768	11.2	38.6	30	3	US-08-923-854-4	Sequence 4, Appl
C 696	11.4	39.3	68	3	US-09-371-774-63	Sequence 63, Appl	C 769	11.2	38.6	30	3	US-09-349-884-13	Sequence 13, Appl
C 697	11.4	39.3	72	3	US-08-850-961-17	Sequence 17, Appl	C 770	11.2	38.6	30	4	US-08-882-649A-21	Sequence 21, Appl
C 698	11.4	39.3	72	3	US-09-479-776-17	Sequence 17, Appl	C 771	11.2	38.6	30	4	US-09-381-393A-7	Sequence 7, Appl
C 699	11.4	39.3	78	1	US-08-351-748-19	Sequence 19, Appl	C 772	11.2	38.6	30	5	PCT-US91-09133-4	Sequence 4, Appl
C 700	11.4	39.3	78	2	US-08-430-536A-19	Sequence 19, Appl	C 773	11.2	38.6	31	1	US-08-487-753-16	Sequence 16, Appl
C 701	11.4	39.3	78	2	US-08-684-547-19	Sequence 19, Appl	C 774	11.2	38.6	31	1	US-08-480-065-16	Sequence 16, Appl
C 702	11.4	39.3	78	5	PCT-US93-02246-19	Sequence 32A, App	C 775	11.2	38.6	31	3	US-08-487-744-16	Sequence 16, Appl
C 703	11.4	39.3	78	4	US-08-373-124A-1795	Sequence 1795, Ap	C 776	11.2	38.6	31	4	US-09-206-898-22	Sequence 22, Appl
C 704	11.2	38.6	17	1	US-08-373-124A-1797	Sequence 1797, Ap	C 777	11.2	38.6	31	4	US-09-462-645C-13	Sequence 13, Appl
C 705	11.2	38.6	17	1	US-08-435-628-1795	Sequence 1795, Ap	C 778	11.2	38.6	31	4	US-09-292-225-26	Sequence 26, Appl
C 706	11.2	38.6	17	1	US-08-435-628-1797	Sequence 1797, Ap	C 779	11.2	38.6	31	4	US-09-598-747-30	Sequence 30, Appl
C 707	11.2	38.6	17	1	US-08-435-628-1797	Sequence 1797, Ap	C 780	11.2	38.6	31	4	US-09-598-747-30	Sequence 30, Appl
C 708	11.2	38.6	17	4	US-09-371-772B-5131	Sequence 5131, Ap	C 781	11.2	38.6	32	2	US-08-632-575B-59	Sequence 59, Appl
C 709	11.2	38.6	17	4	US-09-371-772B-5132	Sequence 5132, Ap	C 782	11.2	38.6	32	4	US-09-399-542B-59	Sequence 59, Appl
C 710	11.2	38.6	17	4	US-09-827-998-204	Sequence 204, App	C 783	11.2	38.6	32	4	US-08-301-037-11	Sequence 11, Appl
C 711	11.2	38.6	17	4	US-09-827-998-205	Sequence 205, App	C 784	11.2	38.6	32	4	US-08-466-539-11	Sequence 11, Appl
C 712	11.2	38.6	17	4	US-09-827-998-280	Sequence 280, App	C 785	11.2	38.6	32	4	US-08-466-539-11	Sequence 11, Appl
C 713	11.2	38.6	18	2	US-09-200-141-37	Sequence 37, Appl	C 786	11.2	38.6	33	1	US-08-201-118-15	Sequence 15, Appl
C 714	11.2	38.6	18	4	US-09-422-978-11398	Sequence 11398, A	C 787	11.2	38.6	33	1	US-08-201-118-15	Sequence 15, Appl
C 715	11.2	38.6	18	4	US-09-422-978-11519	Sequence 11519, A	C 788	11.2	38.6	33	2	US-08-238-821B-15	Sequence 21, Appl
C 716	11.2	38.6	19	4	US-09-422-978-5204	Sequence 5204, Ap	C 789	11.2	38.6	33	2	US-08-238-821B-15	Sequence 21, Appl
C 717	11.2	38.6	19	4	US-09-422-978-9451	Sequence 9451, Ap	C 790	11.2	38.6	33	4	US-08-675-499A-22	Sequence 22, Appl
C 718	11.2	38.6	20	2	US-08-770-565-13	Sequence 13, Appl	C 791	11.2	38.6	33	5	PCT-US95-05744-15	Sequence 15, Appl
C 719	11.2	38.6	20	3	US-09-166-186-198	Sequence 198, App	C 792	11.2	38.6	33	5	PCT-US95-05744-15	Sequence 15, Appl
C 720	11.2	38.6	20	3	US-08-313-932-198	Sequence 198, App	C 793	11.2	38.6	34	3	US-09-040-025-15	Sequence 15, Appl
C 721	11.2	38.6	20	3	US-09-313-932-340	Sequence 340, App	C 794	11.2	38.6	34	3	US-09-040-025-15	Sequence 15, Appl
C 722	11.2	38.6	20	4	US-09-198-452A-1713	Sequence 1713, App	C 795	11.2	38.6	35	1	US-08-531-889-68	Sequence 68, Appl
C 723	11.2	38.6	21	4	US-08-253-877C-65	Sequence 65A, Ap	C 796	11.2	38.6	35	3	US-09-078-166-41	Sequence 41, Appl
C 724	11.2	38.6	21	1	US-08-410-779B-97	Sequence 97, Appl	C 797	11.2	38.6	35	3	US-09-101-751A-81	Sequence 81, Appl
C 725	11.2	38.6	21	2	US-08-452-164B-65	Sequence 65, Appl	C 798	11.2	38.6	35	4	US-08-319-492B-332	Sequence 332, App
C 726	11.2	38.6	21	4	US-09-397-168-48	Sequence 48, Appl	C 799	11.2	38.6	36	1	US-08-497-312-10	Sequence 26, Appl
C 727	11.2	38.6	21	4	US-09-422-978-8848	Sequence 8848, Ap	C 800	11.2	38.6	36	1	US-08-574-396-26	Sequence 35, Appl
C 728	11.2	38.6	21	5	PCT-US95-04477-97	Sequence 97, Appl	C 801	11.2	38.6	36	3	US-08-574-396-26	Sequence 35, Appl
C 729	11.2	38.6	22	3	US-08-874-678-10	Sequence 10, Appl	C 802	11.2	38.6	36	3	US-08-574-396-26	Sequence 35, Appl
C 730	11.2	38.6	22	3	US-08-874-678-10	Sequence 10, Appl	C 803	11.2	38.6	36	3	US-08-574-396-26	Sequence 35, Appl
C 731	11.2	38.6	22	4	US-09-348-886-10	Sequence 51, Appl	C 804	11.2	38.6	36	3	US-08-574-396-26	Sequence 35, Appl
C 732	11.2	38.6	22	4	US-09-375-673B-51	Sequence 158, App	C 805	11.2	38.6	36	3	US-08-488-181-24	Sequence 38, Appl
C 733	11.2	38.6	24	1	US-08-411-958B-158	Sequence 158, App	C 806	11.2	38.6	36	3	US-08-488-181-24	Sequence 38, Appl
C 734	11.2	38.6	24	1	US-08-469-319A-158	Sequence 158, App	C 807	11.2	38.6	36	3	US-08-488-181-33	Sequence 33, Appl
C 735	11.2	38.6	24	4	US-08-764-114-158	Sequence 158, App	C 808	11.2	38.6	36	3	US-08-488-181-35	Sequence 30, Appl
C 736	11.2	38.6	24	4	US-08-469-419-158	Sequence 158, App	C 809	11.2	38.6	36	3	US-08-477-934-30	Sequence 18, Appl
C 737	11.2	38.6	25	4	US-09-526-193A-54	Sequence 54, Appl	C 810	11.2	38.6	36	3	US-08-470-535-18	Sequence 25, Appl
C 738	11.2	38.6	25	4	US-09-827-998-1019	Sequence 1019, Ap	C 811	11.2	38.6	36	3	US-08-973-568-26	Sequence 35, Appl
C 739	11.2	38.6	25	4	US-09-827-998-1020	Sequence 1020, Ap	C 812	11.2	38.6	36	3	US-08-973-568-35	Sequence 35, Appl
C 740	11.2	38.6	25	4	US-09-827-998-1021	Sequence 1021, Ap	C 813	11.2	38.6	36	3	US-08-973-568-36	Sequence 36, Appl
C 741	11.2	38.6	25	4	US-09-827-998-1022	Sequence 1022, Ap	C 814	11.2	38.6	36	3	US-08-973-568-38	Sequence 30, Appl
C 742	11.2	38.6	25	4	US-09-827-998-1023	Sequence 1023, Ap	C 815	11.2	38.6	36	4	US-07-986-776A-30	Sequence 577, App
C 743	11.2	38.6	25	4	US-09-827-998-1024	Sequence 1024, Ap	C 816	11.2	38.6	37	2	US-09-479-005A-577	Sequence 108, App
C 744	11.2	38.6	25	4	US-09-827-998-1025	Sequence 1025, Ap	C 817	11.2	38.6	37	2	US-08-194-009-108	Sequence 108, App
C 745	11.2	38.6	25	4	US-09-827-998-1026	Sequence 1026, Ap	C 818	11.2	38.6	37	3	US-08-460-736-108	Sequence 108, App
C 746	11.2	38.6	25	4	US-09-827-998-1027	Sequence 1027, Ap	C 819	11.2	38.6	37	3	US-08-460-736-108	Sequence 108, App
C 747	11.2	38.6	25	4	US-09-827-998-1028	Sequence 1028, Ap	C 820	11.2	38.6	37	4	US-09-535-370-108	Sequence 108, App
C 748	11.2	38.6	25	4	US-09-827-998-1029	Sequence 1029, Ap	C 821	11.2	38.6	37	4	US-09-479-005A-1081	Sequence 1081, Ap
C 749	11.2	38.6	25	4	US-08-434-503-41	Sequence 41, Appl	C 822	11.2	38.6	38	1	US-08-390-850-896	Sequence 896, App
C 750	11.2	38.6	27	1	US-08-584-040-1033	Sequence 1033, Ap	C 823	11.2	38.6	38	1	US-08-390-850-953	Sequence 953, App
C 751	11.2	38.6	28	4	US-08-342-411A-14	Sequence 14, Appl	C 824	11.2	38.6	38	1	US-08-373-124A-467	Sequence 467, App
C 752	11.2	38.6	28	1	US-08-646-861-28	Sequence 28, Appl	C 825	11.2	38.6	38	1	US-08-373-124A-1081	Sequence 1081, Ap
C 753	11.2	38.6	28	5	PCT-US94-12883-14	Sequence 14, Appl	C 826	11.2	38.6	38	1	US-08-373-124A-154	Sequence 1514, Ap
C 754	11.2	38.6	29	1	US-08-219-633-25	Sequence 25, Appl	C 827	11.2	38.6	38	1	US-08-373-124A-1804	Sequence 1804, Ap
C 755	11.2	38.6	29	1	US-08-515-236-25	Sequence 25, Appl	C 828	11.2	38.6	38	1	US-08-373-124A-1806	Sequence 1806, Ap
C 756	11.2	38.6	29	1	US-08-761-950-25	Sequence 25, Appl	C 829	11.2	38.6	38	1	US-08-373-124A-1808	Sequence 1808, Ap
C 757	11.2	38.6	29	1			C 830	11.2	38.6	38	1	US-08-373-124A-2156	Sequence 2156, Ap

C 831	11.2	38.6	1	US-08-373-124A-2348	Sequence 2348, Ap	904	11.2	38.6	43	3	US-08-770-974-9	Sequence 9, Appl
C 832	11.2	38.6	38	US-08-253-155A-79	Sequence 79, Appl	C 905	11.2	38.6	43	3	US-09-306-998-16	Sequence 16, Appl
C 833	11.2	38.6	38	US-08-435-634-896	Sequence 896, Ap	C 906	11.2	38.6	43	3	US-08-770-981-9	Sequence 9, Appl
C 834	11.2	38.6	38	US-08-435-634-896	Sequence 93, Appl	C 907	11.2	38.6	43	4	US-09-399-106-9	Sequence 9, Appl
C 835	11.2	38.6	38	US-08-625-209A-8	Sequence 8, Appl	C 908	11.2	38.6	44	4	US-09-301-593-73	Sequence 73, Appl
C 836	11.2	38.6	38	US-08-435-628-467	Sequence 467, Ap	C 909	11.2	38.6	45	2	US-08-832-449A-5	Sequence 5, Appl
C 837	11.2	38.6	38	US-08-435-628-467	Sequence 1081, Ap	C 910	11.2	38.6	45	3	US-08-721-458B-62	Sequence 62, Appl
C 838	11.2	38.6	38	US-08-435-628-1514	Sequence 1514, Ap	C 911	11.2	38.6	46	1	US-08-385-375-37	Sequence 37, Appl
C 839	11.2	38.6	38	US-08-435-628-1806	Sequence 1806, Ap	C 912	11.2	38.6	46	1	US-08-766-014-24	Sequence 24, Appl
C 840	11.2	38.6	38	US-08-435-628-1806	Sequence 1806, Ap	C 913	11.2	38.6	47	1	US-08-466-853-2	Sequence 2, Appl
C 841	11.2	38.6	38	US-08-435-628-1808	Sequence 1808, Ap	C 914	11.2	38.6	47	3	US-08-448-194-59	Sequence 59, Appl
C 842	11.2	38.6	38	US-08-435-628-2156	Sequence 2156, Ap	C 915	11.2	38.6	47	4	US-08-867-921-59	Sequence 59, Appl
C 843	11.2	38.6	38	US-08-435-628-2348	Sequence 2348, Ap	C 916	11.2	38.6	47	4	US-09-641-638-738	Sequence 738, Ap
C 844	11.2	38.6	38	US-08-292-620A-2069	Sequence 2069, Ap	C 917	11.2	38.6	47	4	US-09-641-638-1074	Sequence 1074, Ap
C 845	11.2	38.6	38	US-08-653-733B-8	Sequence 8, Appl	C 918	11.2	38.6	47	4	US-09-671-317-692	Sequence 692, Ap
C 846	11.2	38.6	38	US-09-071-845-2069	Sequence 2069, Ap	C 919	11.2	38.6	47	4	US-09-422-978-8	Sequence 8, Appl
C 847	11.2	38.6	38	US-09-371-772B-7628	Sequence 7628, Ap	C 920	11.2	38.6	47	4	US-09-422-978-991	Sequence 991, Ap
C 848	11.2	38.6	38	US-09-371-772B-7873	Sequence 7873, Ap	C 921	11.2	38.6	47	4	US-09-422-978-1662	Sequence 1662, Ap
C 849	11.2	38.6	38	US-09-371-772B-7876	Sequence 7876, Ap	C 922	11.2	38.6	47	4	US-09-422-978-1843	Sequence 1843, Ap
C 850	11.2	38.6	38	US-09-371-772B-7877	Sequence 7877, Ap	C 923	11.2	38.6	47	4	US-09-422-978-2594	Sequence 2594, Ap
C 851	11.2	38.6	38	US-09-371-772B-7878	Sequence 7878, Ap	C 924	11.2	38.6	47	4	US-09-422-978-2598	Sequence 2598, Ap
C 852	11.2	38.6	38	US-09-371-772B-7992	Sequence 7992, Ap	C 925	11.2	38.6	47	4	US-09-422-978-3592	Sequence 3592, Ap
C 853	11.2	38.6	38	US-09-371-772B-8014	Sequence 8014, Ap	C 926	11.2	38.6	47	4	US-09-422-978-3759	Sequence 3759, Ap
C 854	11.2	38.6	38	US-09-371-772B-8044	Sequence 8044, Ap	C 927	11.2	38.6	47	4	US-09-422-978-3759	Sequence 3759, Ap
C 855	11.2	38.6	38	US-09-371-772B-8138	Sequence 8138, Ap	C 928	11.2	38.6	48	2	US-08-470-419-19	Sequence 19, Appl
C 856	11.2	38.6	38	US-09-371-772B-8214	Sequence 8214, Ap	C 929	11.2	38.6	48	2	US-08-761-828-19	Sequence 19, Appl
C 857	11.2	38.6	38	US-09-371-772B-8217	Sequence 8217, Ap	C 930	11.2	38.6	48	2	US-08-290-105-19	Sequence 19, Appl
C 858	11.2	38.6	38	US-09-371-772B-8218	Sequence 8218, Ap	C 931	11.2	38.6	48	3	US-08-776-943-19	Sequence 19, Appl
C 859	11.2	38.6	38	US-09-371-772B-8219	Sequence 8219, Ap	C 932	11.2	38.6	48	3	US-08-482-810-19	Sequence 19, Appl
C 860	11.2	38.6	38	US-09-371-772B-8220	Sequence 8220, Ap	C 933	11.2	38.6	48	3	US-09-027-955-19	Sequence 19, Appl
C 861	11.2	38.6	38	US-09-371-772B-8221	Sequence 8221, Ap	C 934	11.2	38.6	48	3	US-09-636-805-19	Sequence 19, Appl
C 862	11.2	38.6	38	US-09-371-772B-8222	Sequence 8222, Ap	C 935	11.2	38.6	48	4	US-09-258-128-19	Sequence 19, Appl
C 863	11.2	38.6	38	US-09-371-772B-8223	Sequence 8223, Ap	C 936	11.2	38.6	48	4	US-09-635-754-19	Sequence 19, Appl
C 864	11.2	38.6	38	US-09-371-772B-8224	Sequence 8224, Ap	C 937	11.2	38.6	48	4	US-08-680-525-19	Sequence 19, Appl
C 865	11.2	38.6	38	US-09-371-772B-8225	Sequence 8225, Ap	C 938	11.2	38.6	48	4	US-09-636-223-19	Sequence 19, Appl
C 866	11.2	38.6	38	US-09-371-772B-8448	Sequence 8448, Ap	C 939	11.2	38.6	48	4	US-09-623-326-37	Sequence 37, Appl
C 867	11.2	38.6	38	US-09-371-772B-9921	Sequence 9921, Ap	C 940	11.2	38.6	49	4	US-08-961-888-6	Sequence 6, Appl
C 868	11.2	38.6	38	US-09-371-772B-10078	Sequence 10078, A	C 941	11.2	38.6	49	4	US-08-961-888-7	Sequence 7, Appl
C 869	11.2	38.6	38	US-09-371-772B-10731	Sequence 10731, A	C 942	11.2	38.6	50	1	US-08-207-901-71	Sequence 71, Appl
C 870	11.2	38.6	38	US-09-371-772B-10736	Sequence 10736, A	C 943	11.2	38.6	50	1	US-08-956-171B-3476	Sequence 3476, Ap
C 871	11.2	38.6	38	US-09-371-772B-10907	Sequence 10907, A	C 944	11.2	38.6	51	3	US-08-952-383A-8	Sequence 8, Appl
C 872	11.2	38.6	38	5457089-5	Patent No. 5457089	C 945	11.2	38.6	51	4	US-08-970-264A-11	Sequence 11, Appl
C 873	11.2	38.6	39	US-08-470-419-5	Sequence 5, Appl	C 946	11.2	38.6	52	2	US-08-461-775-4	Sequence 4, Appl
C 874	11.2	38.6	39	US-08-761-828-5	Sequence 5, Appl	C 947	11.2	38.6	52	3	US-09-031-606-4	Sequence 4, Appl
C 875	11.2	38.6	39	US-08-290-105-5	Sequence 5, Appl	C 948	11.2	38.6	53	2	US-08-461-775-5	Sequence 5, Appl
C 876	11.2	38.6	39	US-08-776-949-5	Sequence 5, Appl	C 949	11.2	38.6	53	3	US-09-031-605-5	Sequence 5, Appl
C 877	11.2	38.6	39	US-08-483-810-5	Sequence 5, Appl	C 950	11.2	38.6	54	4	US-09-464-122A-21	Sequence 21, Appl
C 878	11.2	38.6	39	US-08-889-841B-49	Sequence 49, Appl	C 951	11.2	38.6	56	1	US-08-102-474-10	Sequence 10, Appl
C 879	11.2	38.6	39	US-09-027-955-5	Sequence 5, Appl	C 952	11.2	38.6	56	1	US-08-414-019A-10	Sequence 10, Appl
C 880	11.2	38.6	39	US-09-636-805-5	Sequence 5, Appl	C 953	11.2	38.6	56	2	US-08-874-678-40	Sequence 40, Appl
C 881	11.2	38.6	39	US-09-258-128-5	Sequence 5, Appl	C 954	11.2	38.6	56	3	US-08-643-839-40	Sequence 40, Appl
C 882	11.2	38.6	39	US-09-635-754-5	Sequence 5, Appl	C 955	11.2	38.6	56	4	US-09-348-886-40	Sequence 40, Appl
C 883	11.2	38.6	39	US-08-680-525-5	Sequence 5, Appl	C 956	11.2	38.6	60	3	US-08-911-894-64	Sequence 64, Appl
C 884	11.2	38.6	39	US-09-636-223-5	Sequence 5, Appl	C 957	11.2	38.6	60	4	US-08-956-171B-2347	Sequence 2347, Ap
C 885	11.2	38.6	40	US-09-419-362-49	Sequence 49, Appl	C 958	11.2	38.6	62	2	US-08-210-762B-5	Sequence 5, Appl
C 886	11.2	38.6	40	US-08-184-089-190	Sequence 190, Ap	C 959	11.2	38.6	62	4	US-09-106-078A-5	Sequence 5, Appl
C 887	11.2	38.6	40	US-08-458-356-190	Sequence 190, Ap	C 960	11.2	38.6	63	3	US-08-651-136C-35	Sequence 35, Appl
C 888	11.2	38.6	40	US-09-306-230-34	Sequence 34, Appl	C 961	11.2	38.6	63	4	US-09-229-911A-35	Sequence 35, Appl
C 889	11.2	38.6	40	US-08-460-736-190	Sequence 190, Ap	C 962	11.2	38.6	64	4	US-09-798-128-1	Sequence 1, Appl
C 890	11.2	38.6	40	US-09-535-370-190	Sequence 190, Ap	C 963	11.2	38.6	65	4	US-09-564-805-7	Sequence 7, Appl
C 891	11.2	38.6	41	US-09-075-395-21	Sequence 21, Appl	C 964	11.2	38.6	68	1	US-08-270-985-5	Sequence 5, Appl
C 892	11.2	38.6	41	US-08-930-503A-11	Sequence 11, Appl	C 965	11.2	38.6	68	3	US-08-478-208-7	Sequence 7, Appl
C 893	11.2	38.6	41	5457089-6	Patent No. 5457089	C 966	11.2	38.6	69	3	US-08-973-068-12	Sequence 12, Appl
C 894	11.2	38.6	42	US-09-039-982A-55	Sequence 55, Appl	C 967	11.2	38.6	69	4	US-09-011-336-64	Sequence 64, Appl
C 895	11.2	38.6	42	US-09-039-762A-55	Sequence 55, Appl	C 968	11.2	38.6	70	2	US-08-488-402A-127	Sequence 127, Ap
C 896	11.2	38.6	42	US-09-194-285-47	Sequence 47, Appl	C 969	11.2	38.6	70	2	US-08-484-552A-127	Sequence 127, Ap
C 897	11.2	38.6	42	US-09-042-492D-55	Sequence 55, Appl	C 970	11.2	38.6	70	5	PCT-US96-09472-127	Sequence 127, Ap
C 898	11.2	38.6	42	US-08-913-612A-61	Sequence 61, Appl	C 971	11.2	38.6	72	1	US-08-433-126A-30	Sequence 30, Appl
C 899	11.2	38.6	43	US-08-249-189-9	Sequence 9, Appl	C 972	11.2	38.6	72	1	US-08-433-124A-30	Sequence 30, Appl
C 900	11.2	38.6	43	US-08-464-624A-9	Sequence 9, Appl	C 973	11.2	38.6	72	3	US-08-976-413A-30	Sequence 30, Appl
C 901	11.2	38.6	43	US-08-477-733B-9	Sequence 9, Appl	C 974	11.2	38.6	72	4	US-09-798-128-2	Sequence 2, Appl
C 902	11.2	38.6	43	US-09-088-913A-9	Sequence 9, Appl	C 975	11.2	38.6	72	4	US-09-621-976-8533	Sequence 8533, Ap
C 903	11.2	38.6	43	US-08-769-819-9	Sequence 9, Appl	C 976	11.2	38.6	72	5	PCT-US96-06059-30	Sequence 30, Appl



C 977	11.2	38.6	73	2	US-08-184-003-189	Sequence 189, App
C 978	11.2	38.6	73	2	US-08-705-136-1	Sequence 1, Appl
C 979	11.2	38.6	73	2	US-08-450-356-189	Sequence 189, App
C 980	11.2	38.6	73	3	US-08-460-736-189	Sequence 189, App
C 981	11.2	38.6	73	4	US-09-535-370-189	Sequence 189, App
C 982	11.2	38.6	73	4	US-08-956-171E-2408	Sequence 2408, Ap
C 983	11.2	38.6	75	3	US-08-955-457-5	Sequence 6, Appl
C 984	11.2	38.6	75	4	US-09-621-976-8388	Sequence 8388, Ap
C 985	11.2	38.6	77	1	US-08-442-572-12	Sequence 12, Appl
C 986	11.2	38.6	77	1	US-08-361-795-12	Sequence 12, Appl
C 987	11.2	38.6	77	1	US-08-345-623-2	Sequence 2, Appl
C 988	11.2	38.6	77	5	PCT-US95-05600-95	Sequence 95, Appl
C 989	11.2	38.6	79	4	US-08-956-171E-1894	Sequence 1894, Ap
C 990	11.2	38.6	80	1	US-08-149-695-2	Sequence 2, Appl
C 991	11.2	38.6	80	1	US-08-377-228-2	Sequence 2, Appl
C 992	11	37.9	17	1	US-07-832-905B-16	Sequence 16, Appl
C 993	11	37.9	17	2	US-08-700-757-16	Sequence 16, Appl
C 994	11	37.9	17	3	US-08-463-691-16	Sequence 16, Appl
C 995	11	37.9	20	1	US-08-455-896-12	Sequence 12, Appl
C 996	11	37.9	20	2	US-08-933-149-12	Sequence 12, Appl
C 997	11	37.9	20	2	US-09-082-243-12	Sequence 12, Appl
C 998	11	37.9	20	3	US-09-082-253-12	Sequence 12, Appl
C 999	11	37.9	20	3	US-07-587-77	Sequence 77, Appl
C 1000	11	37.9	20	3	US-08-777-266A-9	Sequence 97, Appl

## ALIGNMENTS

RESULT 1  
 US-08-943-731-336/c  
 ; Sequence 336, Application US/08943731  
 ; Patent No. 6265157  
 ; GENERAL INFORMATION:  
 ; APPLICANT: BROCKOP, DARWIN J.  
 ; APPLICANT: SPOTILA, LORETTA D.  
 ; APPLICANT: DELTAS, CONSTANTINOS D.  
 ; APPLICANT: SEREDA, LARISA  
 ; APPLICANT: LARSON, ANDREA W.  
 ; APPLICANT: PACK, MICHAEL  
 ; APPLICANT: COLIGE, ALAIN  
 ; APPLICANT: EARLY, JAMES  
 ; APPLICANT: KORKKO, JARMO  
 ; APPLICANT: ALA-KOKKO, LEENA, et al.  
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DETECTING  
 ; TITLE OF INVENTION: ALTERED TYPE I OR TYPE IX COLLAGEN GENE SEQUENCES  
 ; NUMBER OF SEQUENCES: 666  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: PANITCH SCHWARZ JACOBS & NADEL, P.C.  
 ; STREET: ONE COMMERCE SQUARE, 2005 MARKET STREET, 22ND  
 ; STREET: FLR.  
 ; CITY: PHILADELPHIA  
 ; STATE: PA  
 ; COUNTRY: USA  
 ; ZIP: 19103-7086  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/943,731  
 ; FILING DATE: 03-OCT-1997  
 ; CLASSIFICATION: 435  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US 08/212,322  
 ; FILING DATE: 14-MAR-1994  
 ; APPLICATION DATA:  
 ; APPLICATION NUMBER: US 07/803,628  
 ; FILING DATE: 03-DEC-1991  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: DOYLE LEARY Ph.D., KATHRYN  
 ; REGISTRATION NUMBER: 36,317

```

/ REFERENCE/DOCKET NUMBER: 9598-27
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 215-965-1284
/ TELEFAX: 215-567-2991
/ TELEX: 831-494
/ INFORMATION FOR SEQ ID NO: 336:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 25 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: DNA (genomic)
/ US-08-943-731-336
/
/ Query Match 52.4%; Score: 1
/ Best Local Similarity 45.0%; P: 1
/ Matches 9; Conservative 8; Mismatches 1
/
/ QY 5 AUUCUUUUUUAAGGCCUAG 24
/      ||::||::||::||
/ Db 22 ATTCTCTTTGTGAGCCCTTG 3
/
/ RESULT 2
/ US-08-667-079B-5/c
/ Sequence 5, Application US/08667079B
/ Patent No. 5789171
/ GENERAL INFORMATION:
/ APPLICANT: Mark S. Smeltzer
/ TITLE OF INVENTION: Use of cna, a
/ NUMBER OF SEQUENCES: 20
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Benjamin Aaron Adler,
/ STREET: 8011 Candle Lane
/ CITY: Houston
/ STATE: Texas
/ COUNTRY: USA
/ ZIP: 77071
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: Apple Macintosh
/ OPERATING SYSTEM: Macintosh
/ SOFTWARE: Microsoft Word for Mac
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/667,079
/ FILING DATE: June 20, 1996
/ CLASSIFICATION: 435
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Adler, Benjamin Aaron
/ REGISTRATION NUMBER: 35,423
/ REFERENCE/DOCKET NUMBER: D5886
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 713-777-2321
/ TELEFAX: 713-777-6908
/ INFORMATION FOR SEQ ID NO: 5:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 33
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE:
/ DESCRIPTION: other nucleic acid
/ HYPOTHEetical: No
/ ANTI-SENSE: No
/ ORIGINAL SOURCE:
/ STRAIN:
/ INDIVIDUAL ISOLATE:
/ DEVELOPMENTAL STAGE:
/ TISSUE TYPE:
/ CELL TYPE:
/ CELL LINE:
/ US-08-667-079B-5

```





; CURRENT APPLICATION NUMBER: US/09/827,998  
; PRIOR FILING DATE: 2001-04-06  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; NUMBER OF SEQ ID NOS: 1881  
; SOFTWARE: Aecomica Sequence Listing Engine  
; Patent No. 6656700  
; SEQ ID NO 1099  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-827-998-1099

Query Match 49.0%; Score 14.2; DB 4; Length 25;  
Best Local Similarity 42.1%; Pred. No. 8.7e+02;  
Matches 8; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Qy 7 UCUUUUGUAGCCCUAGG 25  
Db 24 TCCTTTTGTAAGCCCTAAG 6

RESULT 8  
US-09-827-998-1100/c  
; Sequence 1100, Application US/09827998  
; Patent No. 6656700  
; GENERAL INFORMATION:  
; APPLICANT: Gu, Yizhong  
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E  
; FILE REFERENCE: MDHMOF-8  
; CURRENT APPLICATION NUMBER: US/09/827,998  
; PRIOR FILING DATE: 2001-04-06  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; NUMBER OF SEQ ID NOS: 1881  
; SOFTWARE: Aecomica Sequence Listing Engine  
; Patent No. 6656700  
; SEQ ID NO 1100  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-827-998-1100

Query Match 49.0%; Score 14.2; DB 4; Length 25;  
Best Local Similarity 42.1%; Pred. No. 8.7e+02;  
Matches 8; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Qy 7 UCUUUUGUAGCCCUAGG 25  
Db 23 TCCTTTTGTAAGCCCTAAG 5

RESULT 9  
US-09-827-998-1101/c  
; Sequence 1101, Application US/09827998  
; Patent No. 6656700  
; GENERAL INFORMATION:  
; APPLICANT: Gu, Yizhong  
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E  
; FILE REFERENCE: MDHMOF-8  
; CURRENT APPLICATION NUMBER: US/09/827,998  
; PRIOR FILING DATE: 2001-04-06  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; NUMBER OF SEQ ID NOS: 1881

; SOFTWARE: Aecomica Sequence Listing Engine  
; Patent No. 6656700  
; SEQ ID NO 1101  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-827-998-1101

Query Match 49.0%; Score 14.2; DB 4; Length 25;  
Best Local Similarity 42.1%; Pred. No. 8.7e+02;  
Matches 8; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Qy 7 UCUUUUGUAGCCCUAGG 25  
Db 22 TCCTTTTGTAAGCCCTAAG 4

RESULT 10  
US-09-827-998-1102/c  
; Sequence 1102, Application US/09827998  
; Patent No. 6656700  
; GENERAL INFORMATION:  
; APPLICANT: Gu, Yizhong  
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E  
; FILE REFERENCE: MDHMOF-8  
; CURRENT APPLICATION NUMBER: US/09/827,998  
; PRIOR FILING DATE: 2001-04-06  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; NUMBER OF SEQ ID NOS: 1881  
; SOFTWARE: Aecomica Sequence Listing Engine  
; Patent No. 6656700  
; SEQ ID NO 1102  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-827-998-1102

Query Match 49.0%; Score 14.2; DB 4; Length 25;  
Best Local Similarity 42.1%; Pred. No. 8.7e+02;  
Matches 8; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Qy 7 UCUUUUGUAGCCCUAGG 25  
Db 21 TCCTTTTGTAAGCCCTAAG 3

RESULT 11  
US-09-827-998-1103/c  
; Sequence 1103, Application US/09827998  
; Patent No. 6656700  
; GENERAL INFORMATION:  
; APPLICANT: Gu, Yizhong  
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E  
; FILE REFERENCE: MDHMOF-8  
; CURRENT APPLICATION NUMBER: US/09/827,998  
; CURRENT FILING DATE: 2001-04-06  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; NUMBER OF SEQ ID NOS: 1881  
; SOFTWARE: Aecomica Sequence Listing Engine  
; Patent No. 6656700  
; SEQ ID NO 1103  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-827-998-1103

Query Match 49.0%; Score 14.2; DB 4; Length 25;  
Best Local Similarity 42.1%; Pred. No. 8.7e+02;  
Matches 8; Conservative 8; Mismatches 3; Indels 0; Gaps 0;

QY 7 UCUTUUUGUAGCCCUAGG 25  
DB 20 TCITTTTGTAGTCCCTAAG 2

RESULT 12  
US-09-927-998-1104/c  
; Sequence 1104, Application US/09827998  
; Patent No. 6656700  
; GENERAL INFORMATION:  
; APPLICANT: Gu, Yizhong  
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E  
; FILE REFERENCE: MDHMF-8  
; CURRENT APPLICATION NUMBER: US/09/827,998  
; CURRENT FILING DATE: 2001-04-06  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; NUMBER OF SEQ ID NOS: 1891  
; SOFTWARE: Aeonica Sequence Listing Engine  
; Patent No. 6656700  
; SEQ ID NO 1104  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-827-998-1104

Query Match 49.0%; Score 14.2; DB 4; Length 25;  
Best Local Similarity 42.1%; Pred. No. 8.7e+02;  
Matches 8; Conservative 8; Mismatches 3; Indels 0; Gaps 0;

QY 7 UCUTUUUGUAGCCCUAGG 25  
DB 19 TCITTTTGTAGTCCCTAAG 1

RESULT 13  
US-09-927-998-1104/c  
; Sequence 1104, Application US/09827998  
; Patent No. 6656700  
; GENERAL INFORMATION:  
; APPLICANT: Gu, Yizhong  
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E  
; FILE REFERENCE: MDHMF-8  
; CURRENT APPLICATION NUMBER: US/09/827,998  
; CURRENT FILING DATE: 2001-04-06  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; NUMBER OF SEQ ID NOS: 1891  
; SOFTWARE: Aeonica Sequence Listing Engine  
; Patent No. 6656700  
; SEQ ID NO 1104  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-827-998-1104

Query Match 48.3%; Score 14; DB 4; Length 30;  
Best Local Similarity 45.5%; Pred. No. 1.1e+03;  
Matches 10; Conservative 7; Mismatches 5; Indels 0; Gaps 0;

QY 5 AUUCUUUUUGUAGCCCUAGG 26  
DB 29 ATTAATTTGTAAATCCTTAGG 8

RESULT 15  
US-08-049-264C-55  
; Sequence 55, Application US/08049264C  
; Patent No. 5518901  
; GENERAL INFORMATION:  
; APPLICANT: Murtagh, James J.  
; TITLE OF INVENTION: METHODS FOR NUCLEIC ACID DETECTION,  
; TITLE OF INVENTION: SEQUENCING AND CLONING USING EXONUCLEASE  
; NUMBER OF SEQUENCES: 75  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: NEEDLE & ROSENBERG, P.C.  
; STREET: Suite 1200, The Candler Bldg., 127  
; STREET: Peachtree Street N.E.  
; CITY: Atlanta  
; STATE: Georgia  
; COUNTRY: USA  
; ZIP: 30303  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/049,264C  
; FILING DATE:  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Pertymal, David G.  
; REGISTRATION NUMBER: 33,438  
; REFERENCE/DOCKET NUMBER: 1313.001  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (404) 688-0770  
; TELEFAX: (404) 688-9880  
; INFORMATION FOR SEQ ID NO: 55:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 37 base pairs  
; TYPE: nucleic acid

Db 2 ATTAATTTGTAAATCCTTAGG 23

RESULT 14  
US-09-690-146A-7/c  
; Sequence 7, Application US/09690146A  
; Patent No. 6485937  
; GENERAL INFORMATION:  
; APPLICANT: Palhan, Vikas  
; TITLE OF INVENTION: System for Rapid Generation of Recombinant  
; TITLE OF INVENTION: Baculovirus-Based Expression Vectors for Silkworm Larvae  
; FILE REFERENCE: 7529/1G164-US1  
; CURRENT APPLICATION NUMBER: US/09/690,146A  
; CURRENT FILING DATE: 2001-06-01  
; PRIOR APPLICATION NUMBER: 60/159,707  
; PRIOR FILING DATE: 1999-10-15  
; NUMBER OF SEQ ID NOS: 9  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 7  
; LENGTH: 30  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthesized oligonucleotide  
US-09-690-146A-7

Query Match 48.3%; Score 14; DB 4; Length 30;  
Best Local Similarity 45.5%; Pred. No. 1.1e+03;  
Matches 10; Conservative 7; Mismatches 5; Indels 0; Gaps 0;

QY 5 AUUCUUUUUGUAGCCCUAGG 26  
DB 29 ATTAATTTGTAAATCCTTAGG 8

RESULT 15  
US-08-049-264C-55  
; Sequence 55, Application US/08049264C  
; Patent No. 5518901  
; GENERAL INFORMATION:  
; APPLICANT: Murtagh, James J.  
; TITLE OF INVENTION: METHODS FOR NUCLEIC ACID DETECTION,  
; TITLE OF INVENTION: SEQUENCING AND CLONING USING EXONUCLEASE  
; NUMBER OF SEQUENCES: 75  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: NEEDLE & ROSENBERG, P.C.  
; STREET: Suite 1200, The Candler Bldg., 127  
; STREET: Peachtree Street N.E.  
; CITY: Atlanta  
; STATE: Georgia  
; COUNTRY: USA  
; ZIP: 30303  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/049,264C  
; FILING DATE:  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Pertymal, David G.  
; REGISTRATION NUMBER: 33,438  
; REFERENCE/DOCKET NUMBER: 1313.001  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (404) 688-0770  
; TELEFAX: (404) 688-9880  
; INFORMATION FOR SEQ ID NO: 55:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 37 base pairs  
; TYPE: nucleic acid

```

; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-049-264C-55

Query Match      48.3%; Score 14; DB 1; Length 37;
Best Local Similarity 40.9%; Pred. No. 1.2e+03;
Matches 9; Conservative 8; Mismatches 5; Indels 0; Gaps 0;

Qy 6 UUCUUUUUGUAGCCCUAGGGG 27
   : : : : : : : : : : : : : : : : : : : : : : : :
Db 8 TTTTITTTTAAACCCGGGGG 29

RESULT 16
US-08-476-562-55
; Sequence 55, Application US/08476562
; Patent No. 568669
; GENERAL INFORMATION:
; APPLICANT: Murtagh, James J.
; TITLE OF INVENTION: METHODS FOR NUCLEIC ACID DETECTION,
; SEQUENCING AND CLONING USING EXONUCLEASE
; NUMBER OF SEQUENCES: 75
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NEEDLE & ROSENBERG, P.C.
; STREET: Suite 1200, The Candler Bldg., 127
; STREET: Peachtree Street N.E.
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: USA
; ZIP: 30303
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/476,562
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Perryman, David G.
; REGISTRATION NUMBER: 33,438
; REFERENCE/DOCKET NUMBER: 05010.0061
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404) 688-0770
; TELEFAX: (404) 688-9880
; INFORMATION FOR SEQ ID NO: 55:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 37 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: oligonucleotide
US-08-479-723A-55

Query Match      48.3%; Score 14; DB 1; Length 37;
Best Local Similarity 40.9%; Pred. No. 1.2e+03;
Matches 9; Conservative 8; Mismatches 5; Indels 0; Gaps 0;

Qy 6 UUCUUUUUGUAGCCCUAGGGG 27
   : : : : : : : : : : : : : : : : : : : : : : : :
Db 8 TTTTITTTTAAACCCGGGGG 29

RESULT 18
PCT-US94-04310-55
; Sequence 55, Application PC/TUS9404310
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: METHODS FOR NUCLEIC ACID DETECTION,
; SEQUENCING AND CLONING USING EXONUCLEASE
; NUMBER OF SEQUENCES: 74
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NEEDLE & ROSENBERG, P.C.
; STREET: Suite 1200, The Candler Bldg., 127
; STREET: Peachtree Street N.E.
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: USA
; ZIP: 30303
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/04310
; PRIOR APPLICATION NUMBER: US 08/049,264
; FILING DATE: 19-APR-1993
; INFORMATION FOR SEQ ID NO: 55:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 37 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
PCT-US94-04310-55

Query Match      48.3%; Score 14; DB 1; Length 37;
Best Local Similarity 40.9%; Pred. No. 1.2e+03;
Matches 9; Conservative 8; Mismatches 5; Indels 0; Gaps 0;

Qy 6 UUCUUUUUGUAGCCCUAGGGG 27
   : : : : : : : : : : : : : : : : : : : : : : : :
Db 8 TTTTITTTTAAACCCGGGGG 29

RESULT 17
US-08-479-723A-55
; Sequence 55, Application US/08479723A
; Patent No. 5744306
; GENERAL INFORMATION:
; APPLICANT: Murtagh, James J.
; TITLE OF INVENTION: METHODS FOR NUCLEIC ACID DETECTION,
; SEQUENCING AND CLONING USING EXONUCLEASE
; NUMBER OF SEQUENCES: 75
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NEEDLE & ROSENBERG, P.C.
; STREET: Suite 1200, The Candler Bldg., 127
; STREET: Peachtree Street N.E.
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: USA
; ZIP: 30303
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/476,562
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/049,264
; FILING DATE: April 19, 1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Perryman, David G.
; REGISTRATION NUMBER: 33,438
; REFERENCE/DOCKET NUMBER: 1313.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404) 688-0770
; TELEFAX: (404) 688-9880
; INFORMATION FOR SEQ ID NO: 55:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 37 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-476-562-55
```

Query Match 48.3%; Score 14; DB 5; Length 37;  
Best Local Similarity 40.9%; Pred. No. 1.2e+03;  
Matches 9; Conservative 8; Mismatches 5; Indels 0; Gaps 0;

QY 6 UUCUUUUUUAAGCCCUAGGGG 27  
Db 8 TTTT TTTT TTTT AAACCGGGGGG 29

RESULT 19  
US-08-049-264C-54/c  
; Sequence 54, Application US/08049264C  
; Patent No. 5518901  
; GENERAL INFORMATION:  
; APPLICANT: Murtagh, James J.  
; TITLE OF INVENTION: METHODS FOR NUCLEIC ACID DETECTION,  
; SEQUENCING AND CLONING USING EXONUCLEASE  
; NUMBER OF SEQUENCES: 75  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: NEEDLE & ROSENBERG, P.C.  
; STREET: Suite 1200, The Candler Bldg., 127  
; CITY: Atlanta  
; STATE: Georgia  
; COUNTRY: USA  
; ZIP: 30303  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/049,264C  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/049,264  
; FILING DATE: April 19, 1993  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Perryman, David G.  
; REGISTRATION NUMBER: 33,438  
; REFERENCE/DOCKET NUMBER: 1313.004  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (404) 688-0770  
; TELEFAX: (404) 688-9880  
; INFORMATION FOR SEQ ID NO: 54:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 44 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
US-08-049-264C-54

Query Match 48.3%; Score 14; DB 1; Length 44;  
Best Local Similarity 40.9%; Pred. No. 1.2e+03;  
Matches 9; Conservative 8; Mismatches 5; Indels 0; Gaps 0;

QY 6 UUCUUUUUUAAGCCCUAGGGG 27  
Db 42 TTTT TTTT TTTT AAACCGGGGGG 21

RESULT 20  
US-08-476-562-54/c  
; Sequence 54, Application US/08476562  
; Patent No. 568669  
; GENERAL INFORMATION:  
; APPLICANT: Murtagh, James J.  
; TITLE OF INVENTION: METHODS FOR NUCLEIC ACID DETECTION,  
; SEQUENCING AND CLONING USING EXONUCLEASE  
; NUMBER OF SEQUENCES: 75  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: NEEDLE & ROSENBERG, P.C.  
; STREET: Suite 1200, The Candler Bldg., 127  
; CITY: Atlanta  
; STATE: Georgia  
; COUNTRY: USA  
; ZIP: 30303  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/479,723A  
; FILING DATE: 07-JUN-1995  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Perryman, David G.  
; REGISTRATION NUMBER: 33,438  
; REFERENCE/DOCKET NUMBER: 05010.0061  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (404) 688-0770

CITY: Atlanta  
STATE: Georgia  
COUNTRY: USA  
ZIP: 30303  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/476,562  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/049,264  
FILING DATE: April 19, 1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Perryman, David G.  
REGISTRATION NUMBER: 33,438  
REFERENCE/DOCKET NUMBER: 1313.004  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (404) 688-0770  
TELEFAX: (404) 688-9880  
INFORMATION FOR SEQ ID NO: 54:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 44 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
US-08-476-562-54

Query Match 48.3%; Score 14; DB 1; Length 44;  
Best Local Similarity 40.9%; Pred. No. 1.2e+03;  
Matches 9; Conservative 8; Mismatches 5; Indels 0; Gaps 0;

QY 6 UUCUUUUUUAAGCCCUAGGGG 27  
Db 42 TTTT TTTT TTTT AAACCGGGGGG 21

RESULT 21  
US-08-479-723A-54/c  
; Sequence 54, Application US/08479723A  
; Patent No. 5744306  
; GENERAL INFORMATION:  
; APPLICANT: Murtagh, James J.  
; TITLE OF INVENTION: METHODS FOR NUCLEIC ACID DETECTION,  
; SEQUENCING AND CLONING USING EXONUCLEASE  
; NUMBER OF SEQUENCES: 87  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: NEEDLE & ROSENBERG, P.C.  
; STREET: Suite 1200, The Candler Bldg., 127  
; CITY: Atlanta  
; STATE: Georgia  
; COUNTRY: USA  
; ZIP: 30303  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/479,723A  
; FILING DATE: 07-JUN-1995  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Perryman, David G.  
; REGISTRATION NUMBER: 33,438  
; REFERENCE/DOCKET NUMBER: 05010.0061  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (404) 688-0770



Query Match	Best Local Similarity	Score	DB 3	DB 4	Length	36
Query Match	Best Local Similarity	Score	DB 3	DB 4	Length	36
Matches 10; Conservative	Matches 8; Mismatches 7; Indels	Matches 8; Mismatches 7; Indels	Matches 8; Mismatches 7; Indels	Matches 8; Mismatches 7; Indels	Matches 8; Mismatches 7; Indels	Matches 8; Mismatches 7; Indels
1 UAUGAUUCUUUUUUAAGCCCUAGG 25	1 UAUGAUUCUUUUUUAAGCCCUAGG 25	1 UAUGAUUCUUUUUUAAGCCCUAGG 25	1 UAUGAUUCUUUUUUAAGCCCUAGG 25	1 UAUGAUUCUUUUUUAAGCCCUAGG 25	1 UAUGAUUCUUUUUUAAGCCCUAGG 25	1 UAUGAUUCUUUUUUAAGCCCUAGG 25
28 TATCAAGCTTTTGTCCGCCCGGG 4	28 TATCAAGCTTTTGTCCGCCCGGG 4	28 TATCAAGCTTTTGTCCGCCCGGG 4	28 TATCAAGCTTTTGTCCGCCCGGG 4	28 TATCAAGCTTTTGTCCGCCCGGG 4	28 TATCAAGCTTTTGTCCGCCCGGG 4	28 TATCAAGCTTTTGTCCGCCCGGG 4
RESULT 28	RESULT 28	RESULT 28	RESULT 28	RESULT 28	RESULT 28	RESULT 28
US-09-605-685-3/c	US-09-605-685-3/c	US-09-605-685-3/c	US-09-605-685-3/c	US-09-605-685-3/c	US-09-605-685-3/c	US-09-605-685-3/c
Sequence 3, Application US/09605685	Sequence 3, Application US/09605685	Sequence 3, Application US/09605685	Sequence 3, Application US/09605685	Sequence 3, Application US/09605685	Sequence 3, Application US/09605685	Sequence 3, Application US/09605685
Patent No. 6436658	Patent No. 6436658	Patent No. 6436658	Patent No. 6436658	Patent No. 6436658	Patent No. 6436658	Patent No. 6436658
GENERAL INFORMATION:	GENERAL INFORMATION:	GENERAL INFORMATION:	GENERAL INFORMATION:	GENERAL INFORMATION:	GENERAL INFORMATION:	GENERAL INFORMATION:
APPLICANT: Suman, Leo J.	APPLICANT: Suman, Leo J.	APPLICANT: Suman, Leo J.	APPLICANT: Suman, Leo J.	APPLICANT: Suman, Leo J.	APPLICANT: Suman, Leo J.	APPLICANT: Suman, Leo J.
TITLE OF INVENTION: A METHOD FOR THE DETERMINATION OF HOMOCYSTEINE	TITLE OF INVENTION: A METHOD FOR THE DETERMINATION OF HOMOCYSTEINE	TITLE OF INVENTION: A METHOD FOR THE DETERMINATION OF HOMOCYSTEINE	TITLE OF INVENTION: A METHOD FOR THE DETERMINATION OF HOMOCYSTEINE	TITLE OF INVENTION: A METHOD FOR THE DETERMINATION OF HOMOCYSTEINE	TITLE OF INVENTION: A METHOD FOR THE DETERMINATION OF HOMOCYSTEINE	TITLE OF INVENTION: A METHOD FOR THE DETERMINATION OF HOMOCYSTEINE
FILE REFERENCE: 09/440,001	FILE REFERENCE: 09/440,001	FILE REFERENCE: 09/440,001	FILE REFERENCE: 09/440,001	FILE REFERENCE: 09/440,001	FILE REFERENCE: 09/440,001	FILE REFERENCE: 09/440,001
CURRENT APPLICATION NUMBER: US/09/605,685	CURRENT APPLICATION NUMBER: US/09/605,685	CURRENT APPLICATION NUMBER: US/09/605,685	CURRENT APPLICATION NUMBER: US/09/605,685	CURRENT APPLICATION NUMBER: US/09/605,685	CURRENT APPLICATION NUMBER: US/09/605,685	CURRENT APPLICATION NUMBER: US/09/605,685
PRIOR FILING DATE: 2000-06-26	PRIOR FILING DATE: 2000-06-26	PRIOR FILING DATE: 2000-06-26	PRIOR FILING DATE: 2000-06-26	PRIOR FILING DATE: 2000-06-26	PRIOR FILING DATE: 2000-06-26	PRIOR FILING DATE: 2000-06-26
PRIOR APPLICATION NUMBER: 60/108,099	PRIOR APPLICATION NUMBER: 60/108,099	PRIOR APPLICATION NUMBER: 60/108,099	PRIOR APPLICATION NUMBER: 60/108,099	PRIOR APPLICATION NUMBER: 60/108,099	PRIOR APPLICATION NUMBER: 60/108,099	PRIOR APPLICATION NUMBER: 60/108,099
PRIOR FILING DATE: 1998-11-12	PRIOR FILING DATE: 1998-11-12	PRIOR FILING DATE: 1998-11-12	PRIOR FILING DATE: 1998-11-12	PRIOR FILING DATE: 1998-11-12	PRIOR FILING DATE: 1998-11-12	PRIOR FILING DATE: 1998-11-12
NUMBER OF SEQ ID NOS: 6	NUMBER OF SEQ ID NOS: 6	NUMBER OF SEQ ID NOS: 6	NUMBER OF SEQ ID NOS: 6	NUMBER OF SEQ ID NOS: 6	NUMBER OF SEQ ID NOS: 6	NUMBER OF SEQ ID NOS: 6
SOFTWARE: Patent in Ver. 2.0	SOFTWARE: Patent in Ver. 2.0	SOFTWARE: Patent in Ver. 2.0	SOFTWARE: Patent in Ver. 2.0	SOFTWARE: Patent in Ver. 2.0	SOFTWARE: Patent in Ver. 2.0	SOFTWARE: Patent in Ver. 2.0
SEQ ID NO 3	SEQ ID NO 3	SEQ ID NO 3	SEQ ID NO 3	SEQ ID NO 3	SEQ ID NO 3	SEQ ID NO 3
LENGTH: 36	LENGTH: 36	LENGTH: 36	LENGTH: 36	LENGTH: 36	LENGTH: 36	LENGTH: 36
TYPE: DNA	TYPE: DNA	TYPE: DNA	TYPE: DNA	TYPE: DNA	TYPE: DNA	TYPE: DNA
ORGANISM: Artificial Sequence	ORGANISM: Artificial Sequence	ORGANISM: Artificial Sequence	ORGANISM: Artificial Sequence	ORGANISM: Artificial Sequence	ORGANISM: Artificial Sequence	ORGANISM: Artificial Sequence
FEATURE:	FEATURE:	FEATURE:	FEATURE:	FEATURE:	FEATURE:	FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:	OTHER INFORMATION: Description of Artificial Sequence:	OTHER INFORMATION: Description of Artificial Sequence:	OTHER INFORMATION: Description of Artificial Sequence:	OTHER INFORMATION: Description of Artificial Sequence:	OTHER INFORMATION: Description of Artificial Sequence:	OTHER INFORMATION: Description of Artificial Sequence:
OTHER INFORMATION: Oligonucleotide primer	OTHER INFORMATION: Oligonucleotide primer	OTHER INFORMATION: Oligonucleotide primer	OTHER INFORMATION: Oligonucleotide primer	OTHER INFORMATION: Oligonucleotide primer	OTHER INFORMATION: Oligonucleotide primer	OTHER INFORMATION: Oligonucleotide primer
US-09-605-685-3	US-09-605-685-3	US-09-605-685-3	US-09-605-685-3	US-09-605-685-3	US-09-605-685-3	US-09-605-685-3
Query Match	Query Match	Query Match	Query Match	Query Match	Query Match	Query Match
Best Local Similarity	Best Local Similarity	Best Local Similarity	Best Local Similarity	Best Local Similarity	Best Local Similarity	Best Local Similarity
Matches 10; Conservative	Matches 10; Conservative	Matches 10; Conservative	Matches 10; Conservative	Matches 10; Conservative	Matches 10; Conservative	Matches 10; Conservative
1 UAUGAUUCUUUUUUAAGCCCUAGG 25	1 UAUGAUUCUUUUUUAAGCCCUAGG 25	1 UAUGAUUCUUUUUUAAGCCCUAGG 25	1 UAUGAUUCUUUUUUAAGCCCUAGG 25	1 UAUGAUUCUUUUUUAAGCCCUAGG 25	1 UAUGAUUCUUUUUUAAGCCCUAGG 25	1 UAUGAUUCUUUUUUAAGCCCUAGG 25
28 TATCAAGCTTTTGTCCGCCCGGG 4	28 TATCAAGCTTTTGTCCGCCCGGG 4	28 TATCAAGCTTTTGTCCGCCCGGG 4	28 TATCAAGCTTTTGTCCGCCCGGG 4	28 TATCAAGCTTTTGTCCGCCCGGG 4	28 TATCAAGCTTTTGTCCGCCCGGG 4	28 TATCAAGCTTTTGTCCGCCCGGG 4
RESULT 29	RESULT 29	RESULT 29	RESULT 29	RESULT 29	RESULT 29	RESULT 29
US-09-422-978-639	US-09-422-978-639	US-09-422-978-639	US-09-422-978-639	US-09-422-978-639	US-09-422-978-639	US-09-422-978-639
Sequence 639, Application US/09422978	Sequence 639, Application US					



```
Matches 8; Conservative 11; Mismatches 8; Indels 0; Gaps 0;
QY 1 UAUAUUCUUUUUUAAGCCCUAGGGG 27
    : : : : : : : : : : : : : : : :
Db 7 TGTGCTTCCTTTTGTATGCGTAATGG 33
    : : : : : : : : : : : : : : : :

RESULT 30
US-09-468-872-11/c
; Sequence 11, Application US/09468872
; Patent No. 6331614
; GENERAL INFORMATION:
; APPLICANT: Wong, Alexander K.C.
; APPLICANT: Teng, David H.-F.
; APPLICANT: Tavligian, Sean V.
; TITLE OF INVENTION: Human CDC14A Gene
; FILE REFERENCE: CDC14A Gene
; CURRENT APPLICATION NUMBER: US/09/468,872
; CURRENT FILING DATE: 1999-12-22
; EARLIER APPLICATION NUMBER: US 60/113,833
; EARLIER FILING DATE: 1998-12-23
; NUMBER OF SEQ ID NOS: 82
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 11
; LENGTH: 42
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-468-872-11

Query Match 46.9%; Score 13.6; DB 4; Length 42;
Best Local Similarity 35.7%; Pred. No. 1.8e+03;
Matches 10; Conservative 9; Mismatches 9; Indels 0; Gaps 0;

QY 2 AUAUUCUUUUUUAAGCCCUAGGGGU 29
    : : : : : : : : : : : : : : : :
Db 36 ATTATGCTTTTGAATACGCTGTGACT 9
    : : : : : : : : : : : : : : : :

RESULT 31
US-08-343-443B-39
; Sequence 39, Application US/08343443B
; Patent No. 5968734
; GENERAL INFORMATION:
; APPLICANT: Aurias, Alain
; APPLICANT: Delattre, Olivier
; APPLICANT: Desmaze, Chantal
; APPLICANT: Melot, Thomas
; APPLICANT: Peter, Martine
; APPLICANT: Floougastel, Beatrice
; APPLICANT: Thomas, Gilles
; APPLICANT: Zugman, Jessica
; TITLE OF INVENTION: NUCLEIC ACID CORRESPONDING TO A GENE OF
; TITLE OF INVENTION: CHROMOSOME 22 INVOLVED IN RECURRENT CHROMOSOMAL
; TITLE OF INVENTION: TRANSLATIONS ASSOCIATED WITH THE DEVELOPMENT OF CANCEROUS
; TITLE OF INVENTION: TUMORS, AND NUCLEIC ACIDS OF FUSION RESULTING FROM SAID
; TITLE OF INVENTION: TRANSLOCATIONS
; NUMBER OF SEQUENCES: 129
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Weiser & Associates
; STREET: 230 South Fifteenth Street
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19102
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: AEDIT 1.0 DOS text editor
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/343,443B
; FILING DATE: 18-NOV-1994
; CLASSIFICATION: 514
```

```
; PRIOR APPLICATION DATA: PCT/FR93/00494
; FILING DATE: 19-MAY-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: FR 92/06123
; FILING DATE: 20-MAY-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Weiser, Gerard J.
; REGISTRATION NUMBER: 19,763
; REFERENCE/DOCKET NUMBER: 989.6121P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-875-8383
; TELEFAX: 215-875-8394
; INFORMATION FOR SEQ ID NO: 39:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 44 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
US-08-343-443B-39

Query Match 46.9%; Score 13.6; DB 2; Length 44;
Best Local Similarity 35.7%; Pred. No. 1.8e+03;
Matches 10; Conservative 9; Mismatches 9; Indels 0; Gaps 0;

QY 1 UAUAUUCUUUUUUAAGCCCUAGGGGC 28
    : : : : : : : : : : : : : : : :
Db 14 TGTGCTTCCTTTGTAGTCCAGGAGGC 41
    : : : : : : : : : : : : : : : :

RESULT 32
US-09-422-978-2286/c
; Sequence 2286, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CPI
; CURRENT APPLICATION NUMBER: US/09/422,978
; CURRENT FILING DATE: 1999-10-20
; EARLIER APPLICATION NUMBER: US 09/298,850
; EARLIER FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 60/109,732
; EARLIER FILING DATE: 1998-11-23
; EARLIER APPLICATION NUMBER: US 60/082,614
; EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 2286
; LENGTH: 47
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 24
; OTHER INFORMATION: 99-10179-48 : polymorphic base G or A
US-09-422-978-2286

Query Match 46.9%; Score 13.6; DB 4; Length 47;
Best Local Similarity 35.0%; Pred. No. 1.9e+03;
Matches 7; Conservative 9; Mismatches 4; Indels 0; Gaps 0;

QY 3 UGAUUCUUUUUUAAGCCCU 22
    : : : : : : : : : : : : : : : :
Db 20 TCATTCTTTGTTAAGGCCT 1
    : : : : : : : : : : : : : : : :

RESULT 33
US-08-956-171E-5024/c
; Sequence 5024, Application US/08956171E
; Patent No. 6593114
; GENERAL INFORMATION:
```

```
/ APPLICANT: Charles Kunsch
/ Gil H. Choi
/ Patrick S. Dillon
/ Craig A. Rosen
/ Steven C. Barash
/ Michael R. Fannon
/
/ TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
/ NUMBER OF SEQUENCES: 5256
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Human Genome Sciences, Inc.
/ STREET: 9410 Key West Avenue
/ CITY: Rockville
/ STATE: Maryland
/ COUNTRY: USA
/ ZIP: 20850
/
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
/ COMPUTER: HP Vectra 486/33
/ OPERATING SYSTEM: MSDOS version 6.2
/ SOFTWARE: ASCII Text
/
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/956,171E
/ FILING DATE: 20-Oct-1997
/ CLASSIFICATION: <Unknown>
/
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 60/009,861
/ FILING DATE: January 5, 1996
/ APPLICATION NUMBER: 08/781,986
/ FILING DATE: January 3, 1997
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Mark J. Hyman
/ REGISTRATION NUMBER: 46,789
/ REFERENCE/DOCKET NUMBER: PB248P1
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (240) 314-1224
/ TELEFAX: (301) 309-8439
/ INFORMATION FOR SEQ ID NO: 5024:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 55 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double
/ TOPOLOGY: linear
/ SEQUENCE DESCRIPTION: SEQ ID NO: 5024:
US-08-956-171E-5024

Query Match          46.9%; Score 13.6; DB 4; Length 55;
Best Local Similarity 45.0%; Pred. No. 1.9e+03;
Matches 9; Conservative 7; Mismatches 4; Indels 0; Gaps 0;

QY      2 AUGAUUUUUUUUUUUAAGCC 21
      |||:|:|:|:|:|:|:|:|:|
Db      48 ATGATTCATTTGGAAATCC 29

RESULT 34
US-09-247-190-37
/ Sequence 37, Application US/09247190
/ Patent No. 6261804
/ GENERAL INFORMATION:
/ APPLICANT: Szostak, Jack W.
/ APPLICANT: Roberts, Richard W.
/ APPLICANT: Liu, Rhee
/ TITLE OF INVENTION: SELECTION OF PROTEINS USING RNA-PROTEIN
/ FILE REFERENCE: 00786/350005
/ CURRENT APPLICATION NUMBER: US/09/247,190
/ CURRENT FILING DATE: 1999-02-09
/ EARLIER FILING DATE: 1997-01-21
/ EARLIER APPLICATION NUMBER: 60/064,491
/ EARLIER FILING DATE: 1997-11-06
/ EARLIER APPLICATION NUMBER: 09/007,005
/ EARLIER FILING DATE: 1998-01-14
```

```
/ NUMBER OF SEQ ID NOS: 38
/ SOFTWARE: FastSEQ for Windows Version 4.0
/ SEQ ID NO 37
/ LENGTH: 26
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: DNA splint
/ OTHER INFORMATION: n = a, t, c, or g.
US-09-247-190-37

Query Match          46.2%; Score 13.4; DB 3; Length 26;
Best Local Similarity 25.2%; Pred. No. 2.1e+03;
Matches 7; Conservative 10; Mismatches 7; Indels 0; Gaps 0;

QY      6 UUCUUUUUUUAAGCCUAGGGCU 29
      |||:|:|:|:|:|:|:|:|:|
Db      1 TTTTITTTTINAGCTTTTGIGCT 24

RESULT 35
US-10-061-658-4/c
/ Sequence 4, Application US/10061658
/ Patent No. 6652856
/ GENERAL INFORMATION:
/ APPLICANT: Biogen, Inc.
/ APPLICANT: Gotwals, Philip
/ APPLICANT: Kotellansky, Victor
/ TITLE OF INVENTION: Method for the Treatment of Fibrosis
/ FILE REFERENCE: A073US
/ CURRENT APPLICATION NUMBER: US/10/061,658
/ CURRENT FILING DATE: 2002-02-01
/ PRIOR APPLICATION NUMBER: 60/137,214
/ PRIOR FILING DATE: 1999-06-01
/ PRIOR APPLICATION NUMBER: 60/130,847
/ PRIOR FILING DATE: 1999-04-22
/ NUMBER OF SEQ ID NOS: 10
/ SOFTWARE: FastSEQ for Windows Version 4.0
/ SEQ ID NO 4
/ LENGTH: 26
/ TYPE: DNA
/ ORGANISM: Homo sapien
US-10-061-658-4

Query Match          46.2%; Score 13.4; DB 4; Length 26;
Best Local Similarity 47.8%; Pred. No. 2.1e+03;
Matches 11; Conservative 6; Mismatches 6; Indels 0; Gaps 0;

QY      5 AUUCUUUUUUUAAGCCUAGGGG 27
      |||:|:|:|:|:|:|:|:|:|
Db      24 ATTCGCTTTGGAGCGCTCGAGG 2

RESULT 36
US-09-598-747-32/c
/ Sequence 32, Application US/09598747
/ Patent No. 6531648
/ GENERAL INFORMATION:
/ APPLICANT: Lanahan, Michael B.
/ APPLICANT: Desai, Nalini M.
/ APPLICANT: Gaskaska, Pamela Y.
/ TITLE OF INVENTION: GRAIN PROCESSING METHOD AND TRANSGENIC PLANTS USEFUL
/ FILE REFERENCE: A-31383P1
/ CURRENT APPLICATION NUMBER: US/09/598,747
/ CURRENT FILING DATE: 2000-06-21
/ NUMBER OF SEQ ID NOS: 42
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 32
/ LENGTH: 35
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
```

DB TAAGATTATTGGTAAAGCCGA 40

NUMBER OF SEQUENCES: 68

NUMBER OF SEQUENCES: 68

```
;;
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Genencor International, Inc.
;; STREET: 180 Kimball Way
;; CITY: South San Francisco
;; STATE: CA
;; COUNTRY: USA
;; ZIP: 94080
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: 3.5 inch, 1.44 Mb
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/194,864A
;; FILING DATE: 10-FEB-94
;; CLASSIFICATION: 435
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Stone, Christopher L.
;; REGISTRATION NUMBER: 35,696
;; REFERENCE/DOCKET NUMBER: GC220-2
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (415) 742-7555
;; TELEFAX: (415) 742-7217
;; INFORMATION FOR SEQ ID NO: 28:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 41 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: DNA (genomic)
;; US-08-194-664A-28
;;
;; Query Match 46.2%; Score 13.4; DB 3; Length 41;
;; Best Local Similarity 34.8%; Pred. No. 2.3e+03;
;; Matches 8; Conservative 9; Mismatches 6; Indels 0; Gaps 0;
;;
;; QY 1 UAUGAUUUUUUUUAAGCCCUA 23
;; Db 18 TATGATTATTGTGTATTGCCGA 40
;;
;; RESULT 40
;; PCT-US94-01553A-28
;; Sequence 28, Application PC/TUS9401553A
;; GENERAL INFORMATION:
;; APPLICANT: GENENCOR INTERNATIONAL, INC.
;; TITLE OF INVENTION: Oxidatively Stable Alpha-Amylase
;; NUMBER OF SEQUENCES: 68
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Genencor International, Inc.
;; STREET: 180 Kimball Way
;; CITY: South San Francisco
;; STATE: CA
;; COUNTRY: USA
;; ZIP: 94080
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: PCT/US94/01553A
;; FILING DATE:
;; CLASSIFICATION:
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Horn, Margaret A.
;; REGISTRATION NUMBER: 33,401
;; REFERENCE/DOCKET NUMBER: GC220-2
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (415) 742-7536
;; TELEFAX: (415) 742-7217
;; INFORMATION FOR SEQ ID NO: 28:
;; SEQUENCE CHARACTERISTICS:
;;
```

```
;;
;; LENGTH: 41 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: DNA (genomic)
;; PCT-US94-01553A-28
;;
;; Query Match 46.2%; Score 13.4; DB 5; Length 41;
;; Best Local Similarity 34.8%; Pred. No. 2.3e+03;
;; Matches 8; Conservative 9; Mismatches 6; Indels 0; Gaps 0;
;;
;; QY 1 UAUGAUUUUUUUUAAGCCCUA 23
;; Db 18 TATGATTATTGTGTATTGCCGA 40
;;
;; Search completed: April 18, 2004, 09:59:54
;; Job time : 45.6667 secs
;;
```